

# SEQUENCE LISTING

<110> Lum, Pek Yee  
Tan, Yejun  
Dai, Hongyue

<120> Methods For Determining Whether An Agent  
Possesses A Defined Biological Activity

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<151> 2003-01-24

<150> US 60/474,413

<151> 2003-05-30

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<213> Mus musculus

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<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> 2833

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<400> 19

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<210> 20

<211> 1734

<212> DNA

<213> Mus musculus

<400> 20

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 <211> 265  
 <212> DNA  
 <213> Mus musculus

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<210> 22  
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 <212> DNA  
 <213> Mus musculus

<220>  
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<210> 23

<211> 766

<212> DNA

<213> Mus musculus

<400> 23

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<210> 24

<211> 2052

<212> DNA

<213> Mus musculus

<400> 24

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<211> 2137

<212> DNA

<213> Mus musculus

<400> 25

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<211> 1473

<212> DNA

<213> Mus musculus

<400> 26

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<210> 27

<211> 1586

<212> DNA

<213> Mus musculus

<400> 27

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<210> 28

<211> 3439

<212> DNA  
<213> Mus musculus

<400> 28

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3439

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<212> DNA

<213> Mus musculus

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<211> 2848

<212> DNA

<213> Mus musculus

<400> 30

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<213> Mus musculus

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 <213> Mus musculus

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 <211> 1111  
 <212> DNA  
 <213> Mus musculus

<400> 34

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<211> 1250

<212> DNA

<213> Mus musculus

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<211> 1399

<212> DNA

<213> Mus musculus

<400> 36

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<211> 4858

<212> DNA

<213> Mus musculus

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<211> 2125

<212> DNA

<213> Mus musculus

<400> 38

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<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> 167, 168

<223> n = A,T,C or G

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<211> 2378

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<213> Mus musculus

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 <212> DNA  
 <213> Mus musculus

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<211> 634

<212> DNA

<213> Mus musculus



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<212> DNA
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<211> 5561
<212> DNA
<213> Mus musculus

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<222> 4879, 5116
<223> n = A,T,C or G

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<211> 1853

<212> DNA

<213> Mus musculus

<400> 46

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 <212> DNA  
 <213> Mus musculus

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 <212> DNA  
 <213> Mus musculus

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 <212> DNA

<213> Mus musculus

<400> 49

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<213> Mus musculus

<400> 50

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<212> DNA

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<223> oligonucleotide probe

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<210> 103  
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<211> 1866

<212> DNA

<213> *Rattus norvegicus*

<400> 105

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aaataccctg	gagttcta	gtcattcaa	gtgacaagaa	aggtagcctg	tcacgaaaga	1620
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agagagcatt	tctgtgctga	gctgtttcat	aattttgatt	atatttccct	tgtattgcag	1740
aagagtaaaa	aagtttatat	gcattttctc	ccattataaa	actaaaaact	ttctggaaaa	1800
tcttaattct	gaactggcat	tttatttgtc	ttgattacaa	tgattcaata	aagctagcct	1860
taactt						1866

<210> 106

<211> 1711

<212> DNA

<213> *Rattus norvegicus*

<400> 106

cgggcctacg	gctcagtcta	aggactgcaa	ataggcagct	ggccactaga	ggatctctaa	60
cttttcttac	gaaactgagg	gctgaagtca	aagatacaaa	atggtggcct	cgtctttcgc	120
tgtcctgaga	gcaagcaggt	tgtgccaatg	gggttggaag	agctggacgc	agctgtcagg	180
tcctccgccg	ctcagcaccg	gtggccggac	cacttttgcg	cggacaaatg	ctacgctgag	240
cctggagccc	gggagccgca	gctgctggga	cgagccgttg	agcatcaccg	tgccggcct	300
ggcccccgag	cagcccgtca	cgctgcgcgc	ggccctgcgt	gacgagaagg	gcgcgctctt	360
ccgagcccac	gcgcgctacc	gcgccgacgc	cggtggtgag	ctggacctgg	cgcgcgctcc	420
cgcgctgggc	ggcagcttca	cggggctcga	gccccatggg	ctgatctggg	ccatggagcc	480
cgaacggcct	ctctggcgcc	tggtaagcg	cgacgtgcag	aagccttatg	tggtagagct	540
ggaggtgctg	gacggacacg	agcccagcgg	cggtcagcgg	ctggcacagg	cagtgcacga	600
gcgtcaactc	atggctccag	gggtgcggcg	cgtgcccggtg	cgcgacgggc	gggtgcgcgc	660
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gtactttgaa	gaagccgtga	actacctgcg	tggccaccct	gaggtaaaag	gaccaggaat	900
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agatggtctc	ttggatgtcg	tggaaagtct	gcaaagccct	ttggtagaca	agaagagctt	1140
catccctgtg	gaaaggctcg	acacgacctt	cctgttctct	gttggtcagg	atgaccacaa	1200
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gaagccccag	atcatctgct	accagaagc	agggcactat	atcgagcctc	cttacttccc	1320
actgtgcagc	gctggcatgc	acctcttggt	gggtgctaac	atcacctttg	gaggggagcc	1380
taagcctcac	tctgtggccc	agttggatgc	atggcagcaa	ctccagactt	tcttcacaa	1440
acagttgagt	ggtaagagtt	aggaggtgcc	ccctaaaata	taacctgtta	tgtggtggtt	1500
tggggaaaaa	cccaaatac	agaatgccac	ttcagtttag	ttcatttgaa	cacatactaa	1560
tttttttaag	tttctttctt	ccttccttct	tttctttctg	tttttttttt	ttgttgttgt	1620
tgttgttgtt	tgttgttttg	tttgagacag	ggtttgtctg	tttacccttg	gctggcctgg	1680
aacttgcttt	gtagaccaga	ggctaggcct	g			1711

<210> 107

<211> 720

<212> DNA  
 <213> Rattus norvegicus

<400> 107  
 ctggacaacg cgtactttctg gtttccatct gtgaacagaa gctgcagcac ttcaagtggg 60  
 agcagagaca agcaagggtt tgagggtccca attagtgtctg actccctgcc cgtcctctgc 120  
 ttgggaatgg cctcagctgc tccatctcct gatccaagtt tggataccga gtgggaggaa 180  
 tggaagaaga aatttggaaa aacctacagc ccgatgaag aacgacacag aagagcagtg 240  
 tgggaggaga gtaagaagac aattgaggcg cacaatgcag actataagca gggcaagacc 300  
 agcttctaca tgggcctaaa tcaatttagt gacttgacta cagaagaatt caggaggaat 360  
 tgctgtggaa gcttaatgtg tagaggaaaa acgactcatg atttgcccat acctgaggat 420  
 ttgggaaaaga acagctctct gacacctgag agggatcagc cagagtaaga gtcgtggctt 480  
 gattgtaaca tcagaatagc ctaagagtga agcaagcact ctgccattac cttgggaatc 540  
 ttctgcctcc cgatgtgaga ggatgatgtc ggagagggtt aacagcagga ggtagcccat 600  
 cacagtgtgc cagcattggc tgtgtatagc gcaacattga actcatgtag gatcaacact 660  
 gtggtgtgaa ctctgaggca cactcatact aataaaacat tgccaatatt ttttcagttc 720

<210> 108  
 <211> 512  
 <212> DNA  
 <213> Rattus norvegicus

<400> 108  
 ggtccaaaat gatccaattt ttattttttg tcttaataag aatgtttata ctttaagggttc 60  
 ccctttaatt catgatacaa aagaactcta tttttggata ggcactatct ttaaattaca 120  
 tggtatttgt gtgtgcatgt gcagggtgtg gcgtgtgttg gaggacaact tgtcagagtt 180  
 gggtctctcc taccatgtag atcctggggg aaagacaatc tcaagctgtc aggctgggca 240  
 gaaagcacca ctatcactga gccatctcac caggtaataa ggcacagttt tataagggaag 300  
 ttttaatttc tttgttgtct tatagcactg gagaatgaat tcagggcact atagaagaaa 360  
 gtcaaatgca ttgccactaa gctatatcct cagctcttca caggcactta attcattata 420  
 ttaagaaaaa aaaggggggg ttgggggatt agctcagtg tagagcggtt gcctagcaag 480  
 cgcaaggccc tgggttcagt cccagctcc ga 512

<210> 109  
 <211> 459  
 <212> DNA  
 <213> Rattus norvegicus

<400> 109  
 ccatgtgggt tagtgttacc tgccagccca tcgtgaagac agtggacagc acccaaataga 60  
 cccagacctg ttgccagtcc acactctgca atattccacc ctggcagagc ccccaaatacc 120  
 acaaccctct ggggtggcgg gcagacagcc ccttgaaggg tgggaccaga catcctcaag 180  
 gtgacagggt tagccacccc cagggtgtca aggttactca tcctcagagt gatggggctc 240  
 acttgtctaa ggggtggcaag gctaaccagc cccagggaaa tggggccgga ttccctgcag 300  
 gctggagcaa atttggtaac gtagttctcc tgctcacctt cctcaccagt ctgtgggcat 360  
 caggggccta aagactcgtc ctcccccaac caggaccctt cagcctttcc tccctgacaa 420  
 ccagcttcag agaataaact tgaatgtctt ttgccatct 459

<210> 110  
 <211> 594  
 <212> DNA  
 <213> Rattus norvegicus

<400> 110  
 cggccgcaaa ggtttttttg gagagatggt tcaatgtag caggtaactt ttaagggtgtc 60  
 taaaaaaaga caaatcacag aaaacattta gattggccta tttgtatcaa aaatacagag 120  
 ctttaaaaac gtgtcataat ggggaactgg taacttgta gaaataaagc caaaatataa 180  
 ttttctgtca tggatataat cctgtgctga aagagtctgg aagcagctgg gaacacctgg 240  
 tgtgtctgag ggtggtttac atgttgctgt tctcatatat ttaaagcatg tctgccatgt 300  
 ttgttctaaa agaaacattt caactaaacg taccatgtgt ttgtttcaga tgcgctgggg 360

```

caatagcagc aattctgact ggaccgtcag gagtgcataat tgtaacttct gttgcagaat 420
tcttggtgggc tgctacatag ttttgatatct gcctaaagtt gtaatttctc tgtagatctt 480
ccccatagcg gtgtcgtcaa ggaattcaaa gcaggtgccca ttatttttta aataattgat 540
gtttgctttg gtgttaata aaagaactag atttcttaaa aaaaaaaaaa aaaa 594

```

```

<210> 111
<211> 471
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<221> misc_feature
<222> 69
<223> n = A,T,C or G

```

```

<400> 111
atcacgtgac ggcaaggcag tgaccggcctt ttctgcttac ttctattcga gtgtgctctg 60
ggctttgtnt gctagaaaag atggccaagg ggtttgaaga attgatgtag tgtgggtggt 120
taaaattctg ttcttttgtg atctaactgg accgctgtgc ctgacatccc caggggtgggt 180
aatggagggc tcagggacat gagtgggtcg gcctcagcga cctttacggg cacatgggct 240
tgctgtgtta tatccatgat gacattgaca gtagtagttat ttgggagacc cagagcagcc 300
caaagcttct tgctggaaaa ggtggccttg catagccccc accatttcca ggctctctca 360
ttacacagga gtcagccccc tgattctgtg atagaagggt ccagaacttt tcattttgct 420
gggagaaact gtccttcaac aaaatcgagt aggcaaaaaa aaaaaaaca a 471

```

```

<210> 112
<211> 311
<212> DNA
<213> Rattus norvegicus

```

```

<400> 112
gatatttcca gcaagagccc tgtgggtgag cagggatcaa aaatcaatcc aatgtattcc 60
agggaccgtc ctgtggacga ggcgcttgac tctatggcca cttgggactt gagcatgtag 120
cagaccagcag acatatttaa gtcagtccag gcagccatgg agaagaatga tccaaaaagc 180
atcacattag ccatgctatg agtgccttcc tgacgttggc cccttcagtg cctcatcccg 240
gtggataaga tgatgactta gttcttcagt tcccggggcg ttatcgccat tgtgaacaat 300
aaaggggtga c 311

```

```

<210> 113
<211> 379
<212> DNA
<213> Rattus norvegicus

```

```

<400> 113
tcaacacaat gacaataccg gttgccatgc ctgactggat tggggaaatc ataaaaggct 60
cctcaccaga tgaagaacta tagacaaaaca atggctgcta agagggcaga actagtcttc 120
ttcagggaca tcaatcccaa gaagtcaaca catatacata ggaccaatac taaatgcata 180
gcagattatt tctttataca catgtgtatg taaataaata tatatgtaac aatcagaatt 240
aaagacattg tgaatttgag tgggacttgg aaggatgtgg ggaggaattg agggaaagag 300
aggggtaaaa atgatgtaaa tacagtactc atgtatgaaa tctcaaaaaa acaccaaatt 360
aataaaaaagt atgtaaacc 379

```

```

<210> 114
<211> 430
<212> DNA
<213> Rattus norvegicus

```

```

<400> 114
agaattctca ggagacaata cgactgtctt ttaaagtgat attgacattg cctggtaggc 60
agcatgttat tcaagacttt acaaaggatg aatggggctg aggtcatgag ggtctgatta 120
tatgtacatt aataaattaa aatgaatgta ttaacaatca ataattaaca agttaaatca 180

```

```

atgtattaat aattaaaagt aattaataat taaaaaatcc ataggcttag gaagacagta 240
ctgcttgctt atcagcgaat tctgatacct atttgtaggt aaagagattt ttatttgtat 300
atgcacgcac tgctggactt cttatcaact tcacaaaagc ctgacttac atggtaagaa 360
ggataaagaa tcacaattaa taaaaaaaaa agtctccata aaattggcct attaaaaaaaa 420
aaaaaaaaaa 430

```

```

<210> 115
<211> 563
<212> DNA
<213> Rattus norvegicus

```

```

<400> 115
aaagcgacgc tttgaaaagc tccaagcttc aactgtaacc tgcagcaaac aaataacatt 60
cctggcaaga aaagacaagt cttttttaaa gtttactgat gcttagatct gtgggcttct 120
agtcctctga aagtgggtgt tttcctatgc acagcgagct cagaaataaa aaccccat 180
tgaaacatcc aggatgtccc aatattacca tgattttttc cccctttttt gctaattccag 240
tccagggttg aaagaagtct cctctgtgtc agattaagcc ctgtctctta atgatatgga 300
caaatgagtg tgcctaaggc catgagatgt ttctaatagc agaaggaatc tgttgtagct 360
ttttttgatt gtactcttct atgctggacc gaattcatat gcagatcgaa gtgagtcctg 420
ttctttacag atggtatttt gatagatact ggagtttgtc tgtgttatat ctgtgcccct 480
tctttaagaa caatggtgca ttatgttctt ttggataaat tgtgatttga caactgattt 540
aaataaacat attgcctca ctt 563

```

```

<210> 116
<211> 459
<212> DNA
<213> Rattus norvegicus

```

```

<400> 116
gcacgaggct tcagagcccc tccaaggctt gtcacctctg gcagccatcc tggctatcag 60
tcttgggcca tgggtgctgc cctgctaacc agggcctttg gaaggcccct catcttgagg 120
aaggccacc tctccccagg ctggataccc ctggggagcc agagatgccc cactctcagg 180
acagaaggcc ggtaccccaa ggccctgtct ccaggccggg ataggaatat gccccagaag 240
gccacggcag agagctgcat gggtcacgtg acagcccgca gctcagcctc agctgctccc 300
agtggaaagag acgtttcctc attctttttg gagcagggtat ggagacaag aggtcagacc 360
acagccacca accacctgcc ccttcctgtt ctccaaacca tccccatgtc taacctcata 420
gttggcacaaat aaagttaaac agaaaaaaaa aaaaaaaaaa 459

```

```

<210> 117
<211> 118
<212> DNA
<213> Rattus norvegicus

```

```

<400> 117
tgtgtatatt ttgcttcacc cagcgaatgt tgggttactt cattttgccc ggctaaagcc 60
aattgggagt tatttgtaaa tttgctctat gttcataata aaaatttata tatcactg 118

```

```

<210> 118
<211> 180
<212> DNA
<213> Rattus norvegicus

```

```

<400> 118
agcaagcaat ttgccattac cttgggaatt ttttgcctcc caatgtgaaa ggatgatgtc 60
ggaaagggtt cacagcagga ggtagcccat ccagttgtc cagcattggc tgtgaaaagc 120
gcaacattga actcatgtag gatcaaccct gtggtgtgaa ctttttaggc ccctcatact 180

```

```

<210> 119
<211> 608
<212> DNA

```

<213> Rattus norvegicus

<400> 119

```
cacttttaaat aagagctgta tgataaaatg ttgaaataca agtgtaaata ttttttatgt 60
ttatccagtt tcctatttga aagtgtgtct ttgctttttc ctctgtaaga gaatagaatg 120
tcccagagag ctgatgaagg atttgcacac ttgtcttgcc caggaagtgc attctccttg 180
tgtctgcagc acatgggcag cctttgatat cataaaaaata cctcccgaag aagagcaggt 240
acctgctgtc cctagtccat gggaagacag atgcactcaa gaacctgcaa gcatctgcaa 300
actctgcatg tgtgtttgtg agacctgtag tgaagtagac atggccatcc ctgcacagtg 360
aggtcagatg tgaataagtg ttgcaagaac acattgaata gtgtgtatta ctgtggggaa 420
atacccaaac tgctgtttcc atttctactg tatttcagtt gcagcctatt tttataaaac 480
tttgtatcta ttttaagtga tttgctattg ttttcaaagt gctgacaaag tttatatttg 540
taatgccagc attccttttt cccattttcca tctttcactc cttcattaaa ctgctgagtc 600
attccttc 608
```

<210> 120

<211> 514

<212> DNA

<213> Rattus norvegicus

<400> 120

```
aggattgtgt cggtatagtt tccttcttgt gctctgaaga tgccagttac atcaatggcg 60
agacagtagt ggttggggaa ggaacccctt atcgccctctg aggacctaga gacagcctac 120
cagggcaagt gtgtggggag ggtgcactcc acctgtgtctc tgtcgccctt ccttgccacc 180
gccaacatct tgttcacctc acaaaatcag ctctgcccag tgtaagtgc ctgctttccg 240
tgtgtgcaaa gtgtggtcag atgagcatcc tcgctgttgc tatggccctg aaaagggctt 300
tggtgggggg gcggggagct aggggatagg tagtggaac ggggcttgct gagaagactg 360
tggtactttt agtgaagatc aaatccctct cattctcgtc tctggagact ttaaagggag 420
atagaaggaa cggacctgaa cagagatgga aattaacaat ttacaaatac ggtacaaata 480
aatgaagat gatcgcgaaa aaaaaaaaaa aaaa 514
```

<210> 121

<211> 651

<212> DNA

<213> Rattus norvegicus

<400> 121

```
tacaaaacat tgtgcgcgaa tttgaaatta tagctaaagc taggaagtca agtgtaaaac 60
tcaagtagta agaatttcta gaggcgaaaa ctgtcctttgt tctacgcagc caacaaaatt 120
tcacgcagcc cttgagcaca gccgtgatat caaatctggg caagtgtccc acacacaaca 180
gatgcctggc ttctaaagcc acacatgaca aagcctccgg agtcttctga ggcttgcatc 240
accaagctcc aggcttggtg ctgccgtctg gctgctggtg agctagactt tcagcagctg 300
cattttgagt cacccttgag cccctgcaca aagtgtgtct cagagatccg tacaaatggg 360
ctggggggtc caccagggtt ggagaccacc agggttggct tccagaacct tccatgtagc 420
tttttgagac catggaattt catcattaat tcgatcccat gttcaaggct tattccacat 480
ttgcctctta aataaaaactc ccctagacgg ttgtggatgt agcttagtgg cagaataactt 540
ggtgtttgca cggacctaac ccttgaaaga acatttcctg gcttctcaaa ttcccttaaa 600
tctatctcgc ttgccgctca gcatttcaga gtaaacacgt cactgttatc t 651
```

<210> 122

<211> 731

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<222> 86

<223> n = A,T,C or G

<400> 122

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ccgaagagcc agccttttcc ttacttgtcc cattggtcac cacagaccaa ccatgtccct 60
```

```

agggcaactg aaattccagg cagtgn gcga ggaggatgag gaggacgagg aggagagctt 120
agactctgtg aaggccctga ctgccaaact tcagctacag acccgacggc cttcatatct 180
ggagtggact gccagagtc agagccgggc ctggtgcaga gcccaagcta gacctgagcc 240
ggtgggacct ggggccatct gtggcttcga ctccatggat tcagcgcttg agtggctcag 300
acgggagctg caggagatgc gggctcagga ccggcagctg gcggggcagc tgctcaggct 360
gcggggccag ctgcaccgac tgaaagtgga ccaagtctgt cacctgcacc aggagcttct 420
ggatgaggcc gagctggaga tggagttgga gtctgggatg ggcttggtc tggccccacc 480
gctgcggcat ctgggactca cgcgcata gaa catcagtgcc agacgcttca ccctctgctg 540
agaagcactt ggggtgtttct gcaagatctg gggagaagga aggaagaggg accccagagg 600
ttctggcgcc tgctggggag gatgggcacg gctaggtttc tgaatgctga attcaaagag 660
cacagcgctc caggaagagg gagagaggga actcggggcc caaatttctt aataaaaaag 720
cattgaatcc c 731

```

```

<210> 123
<211> 341
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<221> misc_feature
<222> 48
<223> n = A,T,C or G

```

```

<400> 123
gtcttgtctc ctggcggttca ttcacatact ctgtagctct tgactttntt taagcatctt 60
taagaagtgc ctggccactt ctctaacaca ggggtggagct gtggtgaggg agcttgtcct 120
cccggccccc ctccctgcca ccagcaact aattactcgg ttcttttggg ttgaatttta 180
aataccaaat tactttttgtg ttgaatggca atgttatcgt ggtggtgttg ttaatgtttt 240
gttcagctgt ccaatccaga cctaattgtc tgggtttttg aagaaacaca tgtactcact 300
gataaggagg tgtatgatta aacaacacat tttgcatgtt t 341

```

```

<210> 124
<211> 627
<212> DNA
<213> Rattus norvegicus

```

```

<400> 124
acgagaaaact gcctcaaggc tatcgcatgg agcagcctgg aaactgtgat gatgaagtgt 60
acgagctgat gcggcagtg gcggcgggacc gtccctatga gcgccccct tttgcccaga 120
ttgcactaca gttgggccgc atgctggaag ccaggaaggc ctacgtgaac atgtcactgt 180
ttgagaactt tacctatgca ggcatcgatg ccacagctga ggaggcttag ggtgcccccc 240
accagaacct ggctgtgctg gccggagcaa actgcttcca cctgtgactg tgaacccttc 300
caacctctga cccaagctgt ctcaagaaag tcttttaatt taaaggagaa aggaaaggat 360
ccaggaagaa tggggtggag ggaaacgggg atccccattt ttggcagctg ctctatagc 420
tacccttca tattcttcct tctacaaatg tgttccccac tctgatgctg cccaaaccca 480
aaccctactt ctgactctct accaaaagca gcatgcatgt tactaacacc ccgttttagct 540
accctactct ctgctcgtac tcaaaaaata aatgcttgga acagcaaaaa aaaaaaaaaa 600
aaaaaaaaaa aaaaatggaa gcggccg 627

```

```

<210> 125
<211> 526
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<221> misc_feature
<222> 507
<223> n = A,T,C or G

```

```

<400> 125
caccagcact cttcccttta ttgatcgctt ggcagaatca cattatgcaa ccatgactgc 60

```

agcaagaacc	acactgaatg	gaagcaggaa	gtctggggct	caagagtcac	cagagagtgg	120
cagctgggag	atggcacctc	gaggtgcagg	gtggaggcta	ggcctcaggt	gtcccttaac	180
ccttactatg	gagaggctga	ggccctcat	cgatagatag	tcctctgact	cctggtcct	240
gggtatttcc	tcatgaagac	agattctggc	ttggctgtgg	agatgaaaga	gactggccag	300
ggcggaggaa	agggactctt	cacagctcct	gctgaggagg	ggtgggctgg	acgggttccc	360
ttcccatga	ttcacatcga	tggatgatat	gctggggacc	cgggccttag	tcttgttcag	420
cctctgggct	cagccctata	catactacag	caggtgctga	ggacaaggcc	tggaaggcac	480
ttggcttggg	cctccggggc	ctgctanaga	atgcttatct	ggctca		526

<210> 126

<211> 421

<212> DNA

<213> Rattus norvegicus

<400> 126

ttcgaagccg	cgaccgggca	tgatcatgcc	ataccaaagg	aaactgccag	gcagaacgat	60
gtggactcgt	atccagtttg	agttcctcat	ctgaagcctc	gatccatggt	aaatggttgg	120
agctgatggg	aaagcccagt	gagtcctcag	ggcatcctgt	taacgtctga	aggtggcatc	180
acaaagatca	cgttcaatcg	gtcctccaaa	aagaacgcc	taaccttcca	gatgtatcag	240
gatattatac	tcgcgcttaa	gaatgtccag	gtacggagtg	acacagtcac	cagcgttttc	300
acaggagctg	gtgactacta	cagcagtggt	aatgacctga	ctaatttcag	ctagcgcctc	360
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<210> 127

<211> 437

<212> DNA

<213> Rattus norvegicus

<400> 127

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atgtagtagg	atgtcactta	attaaactcg	tacttgattg	gctagttgtt	ttagttacaa	180
tttcaagtct	tatagataca	gaattctact	ttttttccag	aacaaacata	tatgtcctta	240
aagacagtgg	gggagacaac	agatttttaa	ctgctgagct	tcttacttct	aaggagaaca	300
gtcaacattg	ttacttcttg	tcctttcaca	gtctggaatt	catgtgggtc	attagcttct	360
ccaatttgat	tactagggct	atgtttcctt	taatcttcaa	ctttcctgac	ataaataacct	420
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<210> 128

<211> 667

<212> DNA

<213> Rattus norvegicus

<400> 128

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gacacgtcta	gccccgtgac	gtaatgtcca	gtacttcaaa	ataccacac	ttggaattgt	300
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gcagtgataa	aatggcacat	tttaaataata	tttatataaa	attttttaca	atcaagtgtc	480
aaacgaagca	ctgcagaagc	caaaaaggga	agaaaaaaa	aaaaagcaaa	taagcctcac	540
aggaaagggt	aggctcactg	agaagcaaaa	gaaagccaag	ttcactgaga	cttaagcatc	600
caaattgtgg	gactgcaacc	aagcaagctc	tgcatggagc	ggcgcggggg	agaaagcagc	660
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<210> 129

<211> 366

<212> DNA



<213> Rattus norvegicus

<400> 129

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agttccatcc aagtacgatg ggactgaaag actcctcgtc ggccgtagtt ctggaggctc 300
tgaatgtcta acttttagcat caaagtgtct gtctcaaatt cccagtaaac acctctgtag 360
gagatg 366
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<210> 130

<211> 368

<212> DNA

<213> Rattus norvegicus

<400> 130

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cgtgtgtctt tcccgtctga acgtgccgt ctttgccctg gccagcgcca agtcctgacc 180
cagcttcgga aacacagctg tctaggctct ggaaaccagt ggtcagaggg aggagtctcc 240
gggctccct tcaccccgat cagcctcagt gatcgcatat taagctgtca accctaacag 300
tctgcacaat ttcttaagct ttagtactcg tagatgatac ttgccttaaa gaaaaaaaaa 360
aaaaaaaaa 368
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<210> 131

<211> 715

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<222> 69, 205

<223> n = A,T,C or G

<400> 131

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ctttaggcga gcccttgcat agagcgttat ctcagtgtc cattccagtc ctgactccct 480
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aaagggtgact cctctgtaac ctagcctctt gtgctcctcc atgacagaaa tgctgggtgg 600
agttttacat ttgccaatgg ccagcttgtg aatatcttca tatacacttt ctattcatgt 660
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<210> 132

<211> 429

<212> DNA

<213> Rattus norvegicus

<400> 132

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gccttatatt ggagagatgt cacacagcct gtactagtaa ctatttgatt gcagcacggt 360
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ttcagctcca ataaacctat tcaaatgacg ctgatttttt ctttcaacac ttaaaaaaaaa 420  
 aaaaaaaaa 429

<210> 133  
 <211> 677  
 <212> DNA  
 <213> Rattus norvegicus

<400> 133  
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 tcaacatgct ccttggcgag gtagctctga cggagttgtt ttttaatttcc atgttctaag 180  
 aagggtgttg tactctgttt cccggaatgt tcttctctag actggactga cttgttttcc 240  
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 tgtgagaggc tgtcctctcg tgaactggccc tgggtggatg tgcagtcacg gtagcgggag 360  
 caatcacaaa actgtaattg acctaccaga actcttcctt tctgcagcct caccgcctg 420  
 acttagaaaa agaaaagcaa taattttttt ccaggcggtt cgaggttatt tctttggaat 480  
 ctttttgttt gactagatat atcagctatg taaatagagc aaggaaacgg tattgtgcat 540  
 ttgtggcatt tacgtagagt tgcagttgta cgctgctgaa aacgcaggct tttgtaacat 600  
 gtggtccttc cataagtacc caatgtattt tagctatttt agtcgtattt gttcaataaa 660  
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<210> 134  
 <211> 653  
 <212> DNA  
 <213> Rattus norvegicus

<400> 134  
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 caaccaataa gaaagtgtt aaaaaatatt gccaaaggatt cttagtttta atcagcgaga 180  
 cttaaaatta aaaaacctgt gatttggttt actactcctc atagaaaagt ttttctcccc 240  
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 tgtgctgctg gctcacagga gttcttagcc atggatttca aggctctgtt tcaactgtacc 360  
 ttcggaatgc ttcttctgta ctctcgttcc tcgatcaact tcatggcatc acttgctgct 420  
 atgtggttca ctaaatccta tcatctgttc aatatcttg gctgccctaa ggcaaattaa 480  
 ggcttcctaa attcatatag tttctaccag agacctgaca gcagggttaa taacagctcc 540  
 agtattattc agttcctctt aaatagccat gatttaaatg acaaggaagg atattaactt 600  
 ctgagaataa ttaagattgc ctctccccct taaatcaata aatgtatttg atg 653

<210> 135  
 <211> 489  
 <212> DNA  
 <213> Rattus norvegicus

<400> 135  
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 gttacccac aatctaaggc caaggtaaa atgttagcaa gtgttcagag ttctgtcact 180  
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 ttttatatg 489

<210> 136  
 <211> 681  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 25  
 <223> n = A,T,C or G

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 atcagagggtg aaattaggat catgccagaa aagtgggttg gtctctctgc agctgctagg 180  
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 ctgttcctc atttcggccg c 681

<210> 137  
 <211> 587  
 <212> DNA  
 <213> Rattus norvegicus

<400> 137  
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 caggagctgt ccagagcgcc atttagctct ccttctgttt aggaaataaa gacagagtgt 480  
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 catggggtat tactactctt catlaagttt aaaaaaaaaa aaaaaaa 587

<210> 138  
 <211> 595  
 <212> DNA  
 <213> Rattus norvegicus

<400> 138  
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 atttggacac agtttttcat gcttgagcca tagctgctct taccactgaa ccatcttccc 180  
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 tattatttta gacatttact atagtttggc ataaaatcca ttattgatgt cagatatttt 300  
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 tcatctgtga gtcattgaaa tcttaaggag aatttttctt tttctctctt ttcttctttc 420  
 cttccaagtt gaaagcagtg aagccagaaa gaaaattaac tgtgatgggg attatttcag 480  
 atgtatcgat atcatctccc ccggctggga aatgttaaac tttgtaaact ctgaagcaca 540  
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<210> 139  
 <211> 436  
 <212> DNA  
 <213> Rattus norvegicus

<400> 139  
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<210> 140

<211> 437

<212> DNA

<213> *Rattus norvegicus*

<400> 140

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<210> 141

<211> 2389

<212> DNA

<213> *Rattus norvegicus*

<400> 141

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<210> 142

<211> 2567

<212> DNA

<213> Mus musculus

<400> 142

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<211> 399

<212> DNA

<213> Rattus norvegicus

<400> 143

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<213> Rattus norvegicus

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 <212> DNA  
 <213> Rattus norvegicus

<400> 145

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<211> 1640

<212> DNA

<213> Rattus norvegicus

<400> 146

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<211> 1591

<212> DNA

<213> Rattus norvegicus

<400> 147

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<211> 2156

<212> DNA

<213> Rattus norvegicus

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<211> 1083

<212> DNA

<213> Rattus norvegicus

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<211> 3679

<212> DNA

<213> Rattus norvegicus

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<211> 2627

<212> DNA

<213> Mus musculus

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<212> DNA
<213> Artificial Sequence

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<220>
<223> oligonucleotide probe

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<400> 214
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<210> 215
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<213> Artificial Sequence

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<220>
<223> oligonucleotide probe

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<220>
<223> oligonucleotide probe

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<220>  
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<210> 218  
 <211> 60  
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 <213> Artificial Sequence

<220>  
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<400> 218  
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<210> 219  
 <211> 354  
 <212> DNA  
 <213> Rattus norvegicus

<400> 219  
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 tctattggat gaacctaatc ccaatagtc agcaaacagc caggctgccc agctgtacca 180  
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<210> 220  
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 <212> DNA  
 <213> Rattus norvegicus

<400> 220  
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<210> 221

<211> 1440

<212> DNA

<213> *Rattus norvegicus*

<400> 221

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<210> 222

<211> 3097

<212> DNA

<213> Rattus norvegicus

<400> 222

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<211> 771

<212> DNA

<213> Rattus norvegicus

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<210> 224

<211> 1920

<212> DNA

<213> *Rattus norvegicus*

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<210> 225

<211> 660

<212> DNA

<213> *Rattus norvegicus*

<400> 225

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<210> 226

<211> 678

<212> DNA

<213> Rattus norvegicus

<400> 226

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cctgtggcca	gtttgaacac	ccctgctgta	accttccctc	tgtctcatgg	tctttgtgaa	600
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<210> 227

<211> 327

<212> DNA

<213> Rattus norvegicus

<400> 227

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<210> 228

<211> 658

<212> DNA

<213> Rattus norvegicus

<400> 228

gtgtccctag	taaccctgac	acctgtaatg	cgcaaggagg	cccaatccca	aggctcctat	60
ctgctttccc	gctccgggta	agttaggaga	cccctaattg	caatcgaagg	cagttcctct	120
gtcatcgta	ggatcaagctc	gaggttacta	tgtagactgg	agaatgttgc	gtgatgtgaa	180
gagacgaaaa	atggcttatg	aatatgcaga	tgagcggctt	cggatcaatt	cgctcagaaa	240
gaataccatt	ttgccaaaag	accttcagga	aatggctggg	gatgaaattg	ctgcccttcc	300
acgggatagc	tgtcctgtta	gaatcagaaa	tcggtgtgtc	atgacatctc	gccccgcggg	360
tgttaagcgt	cgctggagac	ttagtcgcgt	tgttttccga	cacttagctg	accatgggct	420
actttctgga	gtccagcgag	caatatgggtg	acagtttcca	aacctgcccc	gctgccaggg	480
aagccagtc	tggaacaaaga	cttaagacta	aaccctaggg	ttcatagggg	tctagtatgt	540
ttagtctact	tgactctgag	tgaaactacc	cttttgattt	aaataaataa	aagtgggtat	600

ttgtcattga attgtctttt aactttaagg catatattac tcccatacat ggtgtaag 658

<210> 229  
 <211> 505  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 41, 46  
 <223> n = A,T,C or G

<400> 229  
 caaaggcaca gagaccaggc caatggaaag taacacagtg ngaccntagg gctgattgta 60  
 gcctaggctg attcactacc caaacagttc agctggcatc ctgggcatgg tgcccaggac 120  
 tggcctcctt cctgggtgctg atacagagaa atctgaccag agccaaggca cagagcattc 180  
 caggatagcc tgacccaaat ttattgactt gtctaataac ttattcttca atcaacatat 240  
 gtatatgatt aacccttctt ctctggcctt atattcttcc cacttttctt ctcatagtag 300  
 aagcatttga agtattgtgc cattaaaaag gcagctttag ggctgaagag atggttaaga 360  
 accctgactg ctcttccaga ggccctgagt tcaattccta gcaagcacat ggtggctcac 420  
 aaccatctgt aatgggatct gatgccctca tctagtctgt ctgaagacag tacaatactc 480  
 atgtatttaa aaaaaaaaaa aaaaa 505

<210> 230  
 <211> 784  
 <212> DNA  
 <213> Rattus norvegicus

<400> 230  
 attgggcagt ctgagaaagc caaaggggaa ttgaaggaga cgggcgacac tgccgagggc 60  
 acctggtcag ggtcgcggtc gccgccgtca tgccggggat agtggagctg ccaactctgg 120  
 aagagctgaa agtagaggag gtgaaagtca gctcagccgt gcttaaagct gccgcccac 180  
 actatggggc tcagtgcgat aagaccaata aggagtcat gctgtgccgc tgggaagaga 240  
 aggaccctag gcgctgcctg aaggagggca agctggtcaa cggctgcgca ctgaacttct 300  
 tccggcagat caagagtcac tgtgcggagc ctttcacaga gtactggact tgccttgatt 360  
 attccagcat gcagctgttt cgtcactgcc gcaaacagca ggcaaagttt gacgaatgtg 420  
 tgttgacaa actgggctgg gtgaggcctg accttgggga gttgtctaag gtcaccaaag 480  
 tgaaaacaga tcgccctttg ccagagaatc cttatcactc aagaccaagg ccagagccca 540  
 gccccgtgat cgaaggggat ctgaagcctg ccaagcacgg cagccgcttt ttcttctgga 600  
 acgtgtaaa atggatccac ggcccatact cggttacctc ggtcatgcac ccagacaaca 660  
 gacaacgaaa acacccatgc cgacctagtg ttctttcctg gatcacagac gttaacgaaa 720  
 aagttaattt atgtggcttg gcagttactc tgtacgtttc ctgtccatta aaaatgttaa 780  
 agga 784

<210> 231  
 <211> 317  
 <212> DNA  
 <213> Rattus norvegicus

<400> 231  
 tgtcagttag gagtcaactg cacttggtgg ttctgaggga aggagaatta gttttcttca 60  
 ggggtattct cgtttccctt gtggctgccc ctacatgcat ccacttgga agtcctaatt 120  
 ggactcagcg agttctgaaa aaaagatatg aagttgggaa gaagatcaag cgccctgtgg 180  
 tataggagat ggagggacgt gcagaatgga gatgatggaa attcattgag tacatgtgca 240  
 aaactactaa agaataaaaa aaaaagtttt gaaaatgtag aaagaatgaa taaagttacc 300  
 actctgcttg gagacca 317

<210> 232  
 <211> 626  
 <212> DNA  
 <213> Rattus norvegicus



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<400> 232
gggctgtgta ctagaaaggg cattcaaaga tgactacgtg gtcagcttgg tcagagtacc 60
tgacgttcct gtgattgctg gggccttctg ctatgatgtc gctttggata agagactgga 120
tgagtggatg ccaaccaaag agaacctacg ttctttcaca aaagatgccc atactttaat 180
atatagggac cttccctttg aaactctgga agttgatgca aaagtggcat tagaaatatt 240
tcaacataac aagtacaaag tggacttcat agaggagaag gcattctcaga atcctgagag 300
aatagtcaag ttacacagaa tcggtgactt cattgatgtg agtgaaggcc ctcttattcc 360
gagaacaagt gtttgtttcc agtatgaagt gtcagcggtc cacaatcttc cccgcagcca 420
gcccagcctg gtgcgcagat ttcagggcct ctcgctaccc attcacttga gagcacagtt 480
tacaatctgg gacaagctat tggaaagatc acggaaaatg gtaaccgaag atgaaatcac 540
acagacggag agcaccgcac ccacccagta gtgtccgaaa atttaaatat gtatagtaaa 600
ttaaaataaa agcttttaat acaaaa 626

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<210> 233
<211> 632
<212> DNA
<213> Rattus norvegicus

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```

<400> 233
gagagaagag cccactttgc aggtcctggc cctcacatgc ccagtggacc attttaccat 60
aattccccct ccaaagacca gccctgtcta aagtatatgt caactcaacc tggatacctc 120
agcaaggctg taggctggtc tgtggtaaga tgtaaagaag gatagctggg tctgactaac 180
ttagccaggg gacactttgg cgcatttgtt atctccatcc gaaggtaggc tagctggccc 240
atctccttga attgttcctt ttgggaaact taattcacag tattgatctc cttttttgcc 300
ttgtactgaa tgacacatta cctccacgct ctcttgact aagcgggtcca cagggccaca 360
gggttgcttt ctctcttttg tgaggatggg gagtgtacag gaatgagggt ccaaggaatg 420
agcatgaatg acaagaaaac aaggggaaca ctaagctttt ccagggtgtg cggttaaagg 480
tatttgacca ttgtctggct aggccagatc acgggaaactc gagagctttt actgtgattc 540
ttcaatgtaa aaaataaaaac aatgtcagac tgtgtttata tgatttgtat aaagcctttt 600
taagattact atttaaataa acattatacc ag 632

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<210> 234
<211> 967
<212> DNA
<213> Rattus norvegicus

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<400> 234
tcagtctata gcaaaggcgg cccacgggtcc tttcggagcg tgctgccggc ttgtttgctt 60
gcagcgattc tccagggcag ccatggcaga gccacagcca gcgtccagtg gtcttactga 120
tgaggccgcc ctcatgtgct gctctgacct ggatccaagc accaaggatt ttctactgca 180
gcaaacgatg ctgagaatta aggaccctaa gaagtccctg gatttttata cgagggttct 240
tggactgacg cttctccaga agcttgactt cccttctatg aagttctcgc tctattttct 300
agcgtacgag gataagaacg atatcccca ggacaagacg gagaggacag cgtgggcttt 360
ttccagaaag gctaccctgg agctcacaca caactggggc actgaagatg acgagacgca 420
gagttaccac aacggcaact cggaccctcg gggatttggc cacattggga ttgctgttcc 480
tgatgtctac gaggcctgta agagatttga agaactaggt gtcaagtttg tgaagaagcc 540
tgatgatggg aaaatgaaag gtctggcggt cggtcaagat cctgatggct actggattga 600
aattctgaat cctaacaaaa tggcaacaat tatttagttc cgtgatggag acagcgggga 660
caagaaacat cgtgattcga gatgctgaga tgctgaagca ccagaagtgt tgggggactg 720
atgggtcttt gctccagttc aagccattct gaaatccttt tcattgtcct gattcagtgg 780
gtttaaaaaa tctccctctt gttaagccaa cctagttttc aagtagcaat ttatcttacg 840
accttgacaa agttgtgtga gtttactttt aagataataa ttagaactgt tctcctgaga 900
gaccacatgt gctgctgcct gcctcttaaa gactactcca gtctgaaaaa aaaaaaaaaa 960
aaaactt 967

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<210> 235
<211> 487
<212> DNA
<213> Rattus norvegicus

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<400> 235
ggtcttggtgta acccatgacc tcagattttac tgccttaagg ccatttaaga tctatgtccc 60
tcttgccctcc tctctatcta aagggttgta tttaccctgg gtgtagttat agtatgacct 120
gttaccattc ttagactctt tggctgtatc cccctatgag aggttcccat aggcctgttt 180
aacctttctc tagatgcca tctcacagtg tacctgcctc tggatatccc tagtacattt 240
ttaatgagcc gggaacttca aactagagac gaccatacct gtgttcagtc cttgcctctt 300
tcagactttc cagtagaggt gaagaccctc cattcagtag aaattctggg ccatttgtaa 360
gcatttgtac ttcctaaata aatcttcata gcacaaatat gtatattatc aaaatgtagt 420
ttgtaagcaa ttctgtatct attttctcta aatagaagta tgcctaagt aaaaaaaaaa 480
aaaaaaaaa 487

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<210> 236
<211> 908
<212> DNA
<213> Rattus norvegicus

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<400> 236
tctcgatact tctgccgctc gcctgcgccc cggaagctgc ccctactcgg gggtcagatg 60
gggcagcaag atggcttccg ccaccagggg cgtgcaggta gtgaagccac atgctccggt 120
aataaagttc cctaacagaa gagacaaacc taagctcagt gcttcagaca ctttgagatc 180
tgctgcgcta cctcccact cctctgtaat ttcccagcat tctaaaggaa atttgtcccc 240
aaatttactg atgcatcagg ggccaccaga cactgcagaa ttaataaaat cattacctca 300
gaaatcacgg aggaaccta tgtctcagga ggaaatggaa tttatccagc gtgggggtcc 360
agagtgatcg tcgttgtggc tgcctgttgt gaccaggcag aaggattagc tttacaataa 420
aggacttcca caatgtcaaa tgaaaagtca catattaaac aaccttaata aatgttctgt 480
aagcagaatg aagtatagaa actccaggcg gtcacttgaa tctcctacct tatgtatctt 540
ggtcacttcc ccacaagctg gcctatacac ttacgaaagt ctacattttt aaatgctagc 600
ttgttaactt actcttgatt atgaagtgtt accgggtgatg agctattaaa agcacatggt 660
atctaataaa cgtccctttt tctgttttgt tagatgtaga gataatttat gaaacataat 720
ctctgctata aggaagtctt tttttccctg aaattaagtg aggatcagtg agatatttcc 780
actcttaact cctgattttt attttcattt acaagggttat ctgggtgtaa tgatgtaacc 840
atactctggt ctaagtaata ataatgcaat ttaaataaaa cttggcagtg aggattaaaa 900
aaaaaaaaa 908

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<210> 237
<211> 173
<212> DNA
<213> Rattus norvegicus

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```

<400> 237
tgctcgcagg aggggggaaa aacaatgcat gggcggtcag atcctgctcc aaattctctg 60
ttggctgcgc tttttaatcc aatgcttttc agagtgtatt cactcaccta cagaaataga 120
gcccttgctt taggggtgac tgtcatatgc cttattctta ataaaacgtt tgg 173

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<210> 238
<211> 269
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> 54, 209
<223> n = A,T,C or G

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<400> 238
gaaagagctt tcagagtatg tccgcaacca gcagaccatt ggggctcgga agngctcca 60
gaaggagctt caggagcaga tgtcccgcgg tgacccttcc aaagacataa ttttatatgt 120
caaggaggag atgaagaaaa acaacatccc agaaccagtg gtcattggga ttgtgtggtc 180
aagtgtgatg agcacctgg agtggaaacna gaaggaggag cttgtagcag aacaagccat 240
caagcacttg aagcaataca gccctctat 269

```

<210> 239  
 <211> 651  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 194  
 <223> n = A,T,C or G

<400> 239  
 gcggccgcaa aggtttttat tattcaggat attgccagag tctggcctgg aactaaaatg 60  
 cccgggcaaa tgggaaacca aaacaggaca gtgtatgggc tgaagggtgtg gagagtgaac 120  
 accaagcaca atataatcta tgtcaatggc tctgtgcctg gacatagaaa ttgcttagtg 180  
 aagatcaagg actntacgct gcctgcatac aaggatttct gtaagagcct gccgttccct 240  
 acctactttc ctgatggaga cgaagaagaa cttccagaag atctgtacga tgagagcggtg 300  
 tggcagccca gcgaaccttc catcaccttt gcctgatgctg ctggtgctgc aggcctctgt 360  
 gctccgcgta ctttggtgac cagatcagta atagaaccag gagtgggatg tcgttccctg 420  
 tgcttagtca tgagagcaag ctctgtgtgc caccaagggc acaagtgagc cacttggccc 480  
 ctcttcagtc tgattagcaa ggttactgca ttaacagtca catagactgg gtttggttaac 540  
 attgacagtt tgtaaagaac aagctgcctg ccgtttgtgg tgtcattctt tagacacatt 600  
 tcccagtcct gttttggttt atagttttat taaagattta tctctcttaa t 651

<210> 240  
 <211> 397  
 <212> DNA  
 <213> Rattus norvegicus

<400> 240  
 tgccccttag taacgcagac atacggcaca gcagctgccca aagggtgccta tgtgccctcg 60  
 tccccaaaca gacttggtta aggacaggac gccaaacttg aagcctacac cgatgacctg 120  
 ggtgctgtgg gtggcgcatg cctagaggat gaaagccagc gctctacgcc tggatgaaga 180  
 tagtgaacat cctcccatga ttctccggac tgactgatcc tgacctgtga actctggccc 240  
 aggagcagac aacactggcc tggctgagga cttgagcatt gctgctatga actttgacct 300  
 gaattgaggg agaggatggc agagacttta aagcaaagag attgtagtta tagcctatcc 360  
 atactgttga gaaaatacag gtttcacttc agtgact 397

<210> 241  
 <211> 603  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 122  
 <223> n = A,T,C or G

<400> 241  
 acatcttggt tgctgacatt gatacatcca tgtatgattt tgaccctgc acatctgcat 60  
 cagggacagc ttcaaagatg gccctgtgt cagctgatga cctcctcaag accctggctc 120  
 cntacagcaa tcagcctggt gccccaagtc agcctttcaa aatggatctc acagagctgg 180  
 accacatcat ggaggtactt gttggctcct gagatctggg gcccttgac ctgccccag 240  
 gcaggccctg cacccttgta gccccaacag tttctccgca ctgtgcatgg acccttgctt 300  
 gcctttttca gagaaaaaga aaattttaca aaaggatcac actagtattt tcttcaagca 360  
 gaggttgagt gccttcattc gagtatgacc actttaacac actcttctga gtgggttctt 420  
 cagagacctg ctgccctggc gtaggagaga agactttgga agactgttgc taatgttgaa 480  
 aggtgaacat gagtggttca agtgaagcac aaggattaag ttggaagagc tgtaaattgc 540  
 atgtgcatat ttgtctattt tttctataag ttttattgca agaggtaaaa aaaaaaaaaa 600  
 aaa 603

<210> 242

<211> 438  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 80  
 <223> n = A,T,C or G

<400> 242  
 ggcagtcttt cctggtaaaa acatgtagga atcagggtac atcttcctgt tgtgggcagc 60  
 aggctctggg ttttctcccn tagtaaacct aggggtcctc tgctttttct tgaacagaag 120  
 ttagaaggga aagcagcact gtttgtgttc atgtaaagtt tcagatctgc ttcctaagtt 180  
 attgaaaaca taccgcctct ctttcaagat tgcttttaaaa ttaactccat ggggaaaatc 240  
 ttaaaggggcg tttgttgttg ttattgtttt gcttttttaaa aataagatat taatttactt 300  
 tactttgaca aatttccgcc acatataaga agcgtctcag cttccaggcc cctcatctca 360  
 aaggttggat tctccagaag tcaccagaaa cgatttctgg tgggattcgt gtattgtctc 420  
 taataaaaaa aaaaaaaa 438

<210> 243  
 <211> 640  
 <212> DNA  
 <213> Rattus norvegicus

<400> 243  
 atggcgggcg ctttggtctg gctcggacta cggccggtca agctggttcg agttcagttc 60  
 tgcccgtttg agaagaacgt ggagtcaaca aggacctttc tccaggcggt gacgagcgag 120  
 aaagtcgcgc ccaccaacct caactgctct gtgatcgccg acgtgaggca tgacggctct 180  
 gagccctgcg tggacgtgtt attcggagat gggatatcggc tgattatgcg aggagccac 240  
 ctcaccactc aggaaatgtt aagtgccttg gcctcccaca ttcgggctag gaacgctgcc 300  
 gcagcagcat ctgcaccag cgcagacaag gtcgccccag gtacgggtac ccgccgatga 360  
 cattgtagaa gaatcccaac aaccgacgtt ggcttgaaac taaagacagt ggtttaagaa 420  
 gagctgggct taatcactct aaatgctgca tggaggatcat gatactgagc aagaacccta 480  
 acaacagtgc tgctggggca agataagatt ggggtggtgaa ggggtccgtac aaatttgaat 540  
 ttttctttct cactgcttaa ccataattga atctgtcacc cacgtacatt ttaattaaat 600  
 atttattgcc aaaaaaaaaa aaaaaaaaaa aaaaacttgc 640

<210> 244  
 <211> 547  
 <212> DNA  
 <213> Rattus norvegicus

<400> 244  
 agtgtggtat cctggatggc tgcgcccacg gccgctgtgt acgtgttcca gaaggcttca 60  
 cctgtgattg tttcgacggg taccgcctgg acatcaccgg catgtcctgc gtcgacatca 120  
 acgagtgtga cgaggctgag gcaacctccc cactctgcat caatgcgcgc tgtgtcaaca 180  
 ctgatggttc cttccgctgt atttgcgctc cgggatttgc acccagcac caaccacatc 240  
 actgtgcgcc tgctcgacct cgggcctgag cagctgcgtg cgcctagcct cccattataa 300  
 ctgagcacta ggagcttcca gagtgcacct agccttcctc tagtctgcat gtgtgtgagg 360  
 atgtcagaca gtctcgatgt aggatggacg gacacagagg ggtgccttct atggcaccag 420  
 ttcacatgac ctagcccctc ccaccagtgc cctgggcctg tcctgggttc cctgacacat 480  
 ttcttgccct tttatacaat tttcaattaa accacctatt ttgtactttc aaaaaaaaaa 540  
 aaaaaaa 547

<210> 245  
 <211> 467  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature

<222> 26, 45  
 <223> n = A,T,C or G

<400> 245  
 actgctgatg ggccccaga tatggnagcc ccctagacaa gaacnacaag cccaggggcc 60  
 ggaaccgctg tggaggtggc cccagggata tcctttgatg ctgtggggaa gaagaaaaaa 120  
 gatgttctct tgactgactt tctgccaacc atggctgtct acatcagaac tctggctcct 180  
 agacttttct tcagaatcat ggccctctagg gccaggaaa agcgaaaatc caagaactcc 240  
 tgataatgat agagctgcta gcttggggcca gcctgatcag actgagtacc acaccttcct 300  
 ggactggaat tgcagtgcaa ggggtccaca gctgagacct ggtggagggc tgtcttctgt 360  
 ttgttcccca gggagtggat tagcccttag ggagtgaat atggagtgtg gcgggggactc 420  
 taaaagatgc gaaataaatg actgaacagt gggtcagagt tcacagt 467

<210> 246  
 <211> 447  
 <212> DNA  
 <213> Rattus norvegicus

<400> 246  
 gaaagtagag gcatttgatt gtcgggggtca cccaaaggct acaacctcta gccatggggg 60  
 atttcgtaga tgtccatctt taaaagcagc tcaggtaagg ggtgactcca ggtttcccgt 120  
 aggcattctta atgtgggact tccctgtaga gggagagcta cagtgttcat tctatatcag 180  
 agggcaggag aggaaaccag caggaaatgg gaggggtaca gatcaatact cctttggaaa 240  
 ctggatgtct taactgggtg ctagaacgca aacttatgta tttattgtct ggtcattgaa 300  
 ttcattgcct ttcaaaacca ttgttcaaat gtcactatcc attggactca cttgcgtgcc 360  
 agccgaattg gttgaaacca aaccagagag tggtttgtcc atttgccata ccttttgtat 420  
 ttcttacaat aaaaacatgt tggtagc 447

<210> 247  
 <211> 546  
 <212> DNA  
 <213> Rattus norvegicus

<400> 247  
 agtttgact gggatgaatga cctccctaga gcacttgaac agattcatta tgtcttaaaa 60  
 ccagatggag tgtttgttg tgcaatgttt ggaggtgaca cgctctatga actccggtgt 120  
 tcactacagt tagcagagac agaaagggaa ggaggtttt cccacacat ttctcctttc 180  
 actgctgtca atgacctagg gcatctgctg ggaagagctg gcttcaacac tctgactgtg 240  
 gatactgatg aaattcaagt taactatcct ggaatgtttg aattgatgga agatttataa 300  
 gggatgggtg agagcaactg ttcttgggaa agaaaagccc tgctgcaccg agacacaatg 360  
 ctggcagctg cggcggtgta cagagaaatg tacagcaatg aggatgggtc cattcctgcc 420  
 acatatcaga tctaccatat gataggatgg aaataccatg actctcaggc aaggctagct 480  
 gaaagaggtt cagcaaccgt gtcatttggg gatctagcaa gactaaatga taccatgtca 540  
 cagggg 546

<210> 248  
 <211> 279  
 <212> DNA  
 <213> Rattus norvegicus

<400> 248  
 aaaaaacgtc actggcacag cccagggggc cagcagtcta aaagttttaa caaacgttg 60  
 cttcttaagg ttctgggcgg gcactttcac atctctcctg gcttctacca aggaagcatc 120  
 cagctttcct tggtttttag acacagcata attcctaatt gcatctcttt tgcatcttc 180  
 tctcggttgt atccacattt ccctttgtga atgtttatgt atttgtctgg gtgggtgtgt 240  
 gtgttcaggt gctaaaataa attgggagat tagtgttct 279

<210> 249  
 <211> 392  
 <212> DNA  
 <213> Rattus norvegicus

<400> 249  
gacagttaga gtacatttcc cagcttttaa cccgatcagg ccctcaagcc cttgggagcc 60  
ttctttctct tgctctcttg ctggccttct ggctgacctg gccttgacaa accacatggc 120  
tgtccaggca tctatgtcct gtctgccttg ctgggagagc ttgggtctgc cttttgcaga 180  
acagatcagc tttttaatgc ttttaaatct ctttttcatt tctaaagaag caaaatggga 240  
actgggttgg gtgtcctaca tctctcccat gggcccccac gtccccctgg gatttttagg 300  
tcaggaattc ccataaatca gtttgttgaa attctgaggg ggtcagaatg atttgatctt 360  
ccttttgata ttgaaataaa tgtttcagcc cg 392

<210> 250

<211> 8269

<212> DNA

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<212> DNA

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<213> Rattus norvegicus

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<212> DNA

<213> Rattus norvegicus

<400> 257

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<213> Rattus norvegicus

<400> 258

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tctatctgtg	ccattaaagc	tggtgcattc	tgtgcagtgg	ttaagagcac	tgactgctct	300
tccagaggtt	ccaagttcaa	ttctcagcaa	ccacatgggt	actcacaacc	gtctgtaatg	360
ggatctgatg	tcctcttctt	ctggtgtgtc	tgaagacagt	tacagtgtac	tcatataaat	420
aaaatacaaa	aataaccctt					440

<210> 259

<211> 891

<212> DNA

<213> Rattus norvegicus

<400> 259

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gccgcggctg ccagcgacat gttcaaggta attcagagat ctgtggggcc agccagcctg 60
agcctgctca ccttcagagt ttatgcagca cccaaaaagg actcgctca caaaagttac 120
atgaagatcg atgagctctc actctactca gttcctgagg gtcaatctaa atatgtggag 180
gagccaagga ctcaacttga agaaaacatc tcagaactcc gacatcgttg tgagccatat 240
acaaatttgt gtcaggaaat atactcccat actaaaccca aggtggaaca ctttgtccag 300
tggggagtag acaactataa ctatcttcaa aatgcacctc ctggatttta cccaagactc 360
ggagttattg gttttgctgg ttttgttgga ctcccttttg ctagaggttc aaaaataaag 420

```

```

aagctggtgt atcctccttt cttcatgggg ttaggtgcct ctgtctatta cccacaacaa 480
gccatcacta ttgccagat cactggggag aagttatatg actggggatt acgagggtac 540
atagttgtag aagatttgtg gaagcaacat tttcagaagc caggaaatgt gaagagttca 600
cctggaaata aatagaaaac tctacgctct acccattata atcagttata ggtaaacatt 660
ggaaactcca gacagtaact cagtatttct acagacaaat ggcagaatca gtattggata 720
tagtaaaact gctttcatca ggaaaaacat taagcctttt tgctggtttg ggtgatgcca 780
tattacaggc caactaatct gcaatctttc acgtggaaat aatgtacaag ccttagaact 840
cctcattctt atatcactat ttatgtatat aattaaagtc cagattccaa c 891

```

<210> 260

<211> 456

<212> DNA

<213> *Rattus norvegicus*

<400> 260

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ataaaaaaaaa aaaaaatcac tccatcttat aataatagag aaattcagct ttgtttgaac 60
ttttttccag atagttttta aaaaagaagt gtgtgtgtgc gtgtgtgtgc acgcgcgtgt 120
gcatgcgtgt tctggttagt tgatgcagtt tccccaaagt ctcaagttga tgagaaaata 180
gaaagagaag cagaacaaat ggacagtggg atcgggcagg ctgaggtgag cgcgtcctcc 240
attttctgat gaacaaagtg ggaaaatctc tgggatggag agggtgagct cagaaagtcc 300
agccgtgcct atgttaaatcg ctaggggggt ggggagcgca ttaacctgcg atgccacat 360
gggctcagtc tgatctgggc cactttttgt ttctgcttct gtttgttttt cctgataacc 420
caaaactctta gatttatcca aaaaaaaaaa aaaaaa 456

```

<210> 261

<211> 714

<212> DNA

<213> *Rattus norvegicus*

<400> 261

```

ctgtgggacc ctgtgtgcct gtgaggagcg accagcgtgt tttaaaccggc taaggctgcg 60
gaaaccgtgt ctgacctcaa gtcggaaagg gagaagagtc ttgagggccg aactctagag 120
ccaccagccc agagctgatt tatccggaac ccagcatggg tttcctgact gccgtgactc 180
aaggcctggt gcggggagcg gacaggatga gcaagtggac aagcaagcgg ggaccacgca 240
ccttcactaa gagtcggggg gccaaagaaa caggcttcta taaaacagg aagtttgtgc 300
aaataaaaaga aatggttcca gaatttgtgg tcccggactt gaccggcttc aagctcaagc 360
cctacgttaa ttaccgagct cctgcaggca tagacacacc tctgaccgcc aaagcgctct 420
tcctggaaac agttgcaccc gctatcgaaa aagactttta agaagggact tttgatgcta 480
acaacctgga gaaatatggc tttgagccca cacaggaagg caaactgttc caattgtatc 540
ccaagaattt cccacgctag aagaccgtga cagtggctaa ggtttgtcta caaagtggaa 600
acaatactga ccatgccttg gattctgagt gtctcaaaga gtaggggcag cttccttgtg 660
cacttctatt aaatgccttt agtatcttgt acaatatatg ttctggatca agtc 714

```

<210> 262

<211> 283

<212> DNA

<213> *Rattus norvegicus*

<220>

<221> misc\_feature

<222> 13, 104, 110, 131, 148, 169, 178, 211, 230, 231, 242, 245, 246, 256, 258, 272

<223> n = A,T,C or G

<400> 262  
ggaacgagtt cantgtacaa caatctgggg cttcttatca atcattatcc caatgggggtt 60  
gtcactgtga tctgtgctcg agtaatccac gggaaccaga ttgncacaan tgggtgttgc 120  
catgtcatcg nccgtgtcct gacacaantt ggacacctcca tccattgant tcattgangc 180  
agaagatgag tttttcatca ttcagagcgg ntgccatcac ttctgaccn nttggagtc 240  
cntgnnagag acggtnantt cacactcttt gntccccacc aat 283

<210> 263  
<211> 496  
<212> DNA  
<213> Rattus norvegicus

<400> 263  
gtaaaatcaa gtaagccatc acttgctctg atctttgtct tgttcttaac tgtgtaaatt 60  
actatggtac ttgtataaat tactacggta gtttaacaga aggttttagag gtcaccattc 120  
tgagttgcat ttggactatg tgctctttta cgtgaatgtc aataaacagg ctaaataagt 180  
gtaagaaaac attggtgaaa tattataaat caaaatgtac ttagtaatat ttaccattaa 240  
acattataat gtcttaaagt tagtaaaaaac caaaaacaaaa actagtacct gtaatttggt 300  
acctacagtg gaaaatcttt atctgaaatt ttaaaatata ttgatttagc atgtcatttt 360  
tttcttctgg agtgtaattc agtgtggctc aaattgcccc atgtgctata tttgtcaaca 420  
gtcatcctaa atgagcaata gactgaatga gctttgtaca actaataaaa gttactatca 480  
aagaaaaaaa aaaaaa 496

<210> 264  
<211> 327  
<212> DNA  
<213> Rattus norvegicus

<400> 264  
gaggacgatc agagcaacta caccaccaac tgctttggcg acagtgagtc cagcgtgagc 60  
gagggcgact tcgtgggtga gagcaccacc accagcgact ctgaggagag cgggggttta 120  
atctgggtccc agtttggtcca gactctccct attcaaacgg ttacggcccc agaccttcac 180  
acccgccccca caaaaacctt tgtcaaaatt aaggcctcgc acaacctcaa gaagaagatc 240  
ctccgcttcc ggtcaggctc tttgaaactg atgactactg tttgagtagc tgatgtagcg 300  
agtgtcttcc cctccccag tctctgg 327

<210> 265  
<211> 567  
<212> DNA  
<213> Rattus norvegicus

<400> 265  
gttattttac ttattgagat tcatttccat tatcttgggt accgatctga tctatgtttc 60  
atcctggttc atagtgttta aattggtgag agaagaaaca gaaggaagga gagaaaggag 120  
tgagaggagg gaaggagaag gcaggaaaagg aagaaggagg aaggaggagg agataaggaa 180  
ggaaggtgat aaggaaggga gctactacta ctacagcact gctactcagc cctccaggcc 240  
tgtctggaca gtcttccttc catgttaggg tctgtcaaaa tccccagga ttttatcagt 300  
tttgtttctg taaagagctg tgttgcgtag gtaactgatg catatctggt aggttgcttc 360  
ttgtgctgtt ataatttctt actataactg caattcaaaa ttacatgtct ggctttaata 420  
tactgggttt atcctatttt aattttcttc ttttaatgtc actttgtttc atcacaaagc 480  
tacctttact ttgtgtgggt tctctttttt tcttctttt ataaaaaaaaa tccaataaaa 540  
agtcaaaagt aaaaaaaaaa aaaaaa 567

<210> 266  
<211> 595  
<212> DNA  
<213> Rattus norvegicus

<220>  
<221> misc\_feature

<222> 2  
 <223> n = A,T,C or G

<400> 266  
 cngcagctgc ggcagctgcg atagcgggta gccatggtgg gtggcgaggc cacctccgcg 60  
 gtggagaagc tagtttccgg cgtgcggcag gctgccgact tcgccgagca gttccggtcc 120  
 tactcggaga gcgagaagca atggaaagcg cgcattggagt ttatcctgcg ccacctgcct 180  
 gactaccgag acccaccgga cggcggcggt cgcctggacc agctactgtc cttatccatg 240  
 gtctgggcca accacctctt cctgggttgc agttacaata aagaccttct ggacaagggtg 300  
 atggaaatgg ctgatgggat tgaagtggaa gacctgccac agtttacaag cagaagcgaa 360  
 ctaatgaaaa agcatcaaag ctaaggcaga tttccacatc tccaccctgg ggacagactt 420  
 aggcggcctg ggtgaacgcg actgagcact ggagctctc agactcctgg aatttgcagc 480  
 atagaggcag ctggaacgga aggggatgag gcccaagggc ttcaaagacg tcttccttct 540  
 tccaggactg ctgtaaaaaat gcataatttat gtattttataa atgtgaacac tcaga 595

<210> 267  
 <211> 586  
 <212> DNA  
 <213> Rattus norvegicus

<400> 267  
 ggcacgaggg ggtgactttg gacgtccgct cagccaggtt gcagaagcgg tttagtgtgt 60  
 gtcctaattct tctctctcgg tgtaggtagg cctgtgccgc aaacatgctc cgccagatcc 120  
 tcgggcaagc caagaaacat cccagcttga tccctctctt cgtgtttatt ggagcagggg 180  
 gtactggagc agcactgtat gtgatgcgct tggcattgtt caatccagat gtcagctggg 240  
 acaggaagaa taaccagag ccttggaaaca aactgggtcc caatgaacaa tataagttct 300  
 attctgtgaa cgtggactac agcaaactga aaaaagaagg cccagacttc taaactgtga 360  
 agttcactgc aaagctgctt acaatgaagg tctttcagaa gccatccgca caattttcca 420  
 ctttagcagg aactatgtct ccgaatgcac gaaatcatgt tgattttttt ttgagtttat 480  
 tacactgatg aataaatctc tgaaacttga tatgtgtcac tatttaatgc tgaaaattca 540  
 tatgggattt gatagctagg atataagaaa taaagtatca ggattt 586

<210> 268  
 <211> 385  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 10  
 <223> n = A,T,C or G

<400> 268  
 caatcctgtn tgtgatggga tccccatggt ctccccagac ccctgtgtct tgtgtagacc 60  
 cttatgacac cctcacccca cccccagtg tctgcaacag gaagttctgt tgactgcatg 120  
 cagtggcaca tcctttaatc tcaggacttg agaggcagat gcagacagag atctgtgagt 180  
 tccaggccag cctggtctat gtaacgagtt ctaggacagc ctgggacaca gagtgaacaa 240  
 cttttaaaaa actttttccc tgcacagagc agatcatgga aaaccagaga cctgtaagaa 300  
 tctgactata aacaatgtcc ttttttattt tttttttgaa cctcttaaat atttacctga 360  
 aataaaagat ggtaaaataa atttt 385

<210> 269  
 <211> 481  
 <212> DNA  
 <213> Rattus norvegicus

<400> 269  
 cagtttttag acagaatctg ttaggttggt ttctatgtga tccacgctgg cctggaactc 60  
 agttatccac ctgcctgcct gcctccagag tgccaatggt aaaggcctgt attaccatgc 120  
 tggtagctcg gagagctaag agacataacc ttcactaagg aatcaatcac tgggttaaagt 180  
 gagttgagga taggtcaggg cacactgacc tctaggagcc tttaggctaa tccctaactg 240

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cacctccccc caacaagcac caagtaaaca agcttcagaa aatggtagga ctaagtaaat 300
taactaatgg tcatagacgt gactattcca gatataattga tgtatcgcat tcgttttatt 360
aattgtaact caaccttttag aaaaataaaa ctggagctgt tttctgagta tgacttatgg 420
ccactttttt acagtcaatg tatttttagag gcaaaacttg taataaatgt attcaaattg 480
t                                                    481

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<210> 270
<211> 363
<212> DNA
<213> Rattus norvegicus

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<400> 270
taaaaggtct ttggctacat ctgtgctgca cagtctacct ctgagtgcc aaggcgtggt 60
gtcactcagg cggtgggtcct ccctggaagc cgggaagggc cagaatggga acacttggtg 120
ccagcaaagc taagacgttc aagagcacat tccttccaaa tactgggctt tctatgcctg 180
cccttgctct gaaatgacag agtcctggtg tatttattaa tgagctcctt gcattacagc 240
tgggcggggt tcatcaaaac agggttctat tttgactgta aaactgcgtg gctggcatgc 300
tttagacatt tccactcagg aggttggtgt taagggaatt aaaaggctca tcttttatct 360
tcc                                                    363

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```

<210> 271
<211> 497
<212> DNA
<213> Rattus norvegicus

```

```

<400> 271
ccacgctcag agtcttatac actcctggcc aactgatga tcacatggct ttactcctgg 60
aagaggaaaa tgccatcttt tctggggact gcatcctagg agaagggaca acgatatttg 120
aagacctctc tgattacatg aactccctaa aagacttact aaaagtcaaa gccaacatta 180
tatatccagg acatggccca gtgatccata atgccgaagc taaaattctg gaatatattt 240
ctcaccgaaa taaccgagaa gaacaaatta tcaccgtatt ccgtgataac cttgaggaat 300
cattctcagt gagcgaactt aggaaaatga ttacaaagaa cgttccagag aatttacata 360
agatggcgga gcataatctc ttgcttcact tgaggaaaact agagaaagat gggaaaatat 420
tttccatcgc aagtccctgcc aagaaatgga gagcctccct ttagtttcag atcaataaag 480
ttctcatttt gctttta                                                    497

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```

<210> 272
<211> 1307
<212> DNA
<213> Rattus norvegicus

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```

<220>
<221> misc_feature
<222> 796
<223> n = A,T,C or G

```

```

<400> 272
tcgatgcaga gccatgccgc cgtgtcccgt gtgggaagtg tgctgcaaga aggctgtgaa 60
aaagtcagcc agctctatgg agacctacag catctgaaga cgtttgacag gggaatggtc 120
tggaacacag acctggtgga gacgtggag ctgcgaatc tgatgctgtg cgcactgcag 180
accatatatg gtgcggaagc acggaaggag tcacggggag ctcatgccag ggaagattac 240
aagggtgcgga ttgatgagta tgattactcc aagcccatcg agggccagca gaagaagcca 300
tttgcggaac actggaggaa gcacaccctc tcatatgtgg acaccaagac tgggaagggtt 360
actttggatt acagacctgt tattgacaag accttgaatg aggctgactg tgctactgta 420
cctcctgcta tccgttccta ctgaaaaacc tgacagctac aggaccagct tatgtgatta 480
tacatcatag cttacctagg tttcctttca tactcgtctt gttaaaaatc tgctctcatg 540
aacaaggagt cacttcacag attatgatca acagcttggc agtacttgat gtgagggact 600
cgagttgcac cattgtctct cattcttgtg cagtgataaa ctggtataat tcttaaatga 660
tgtacaaacg aacaatcttt tatttctaaa taaaaccaca tagtatttga gtttagtcct 720
atctattggt ctgaaatatc aaatacaatt ttcttcccct gtctagctga agcagttgtg 780
gttttcaagt attgtnttgt atattctctg tgccatatac taaactagac ttttaaggaa 840

```

gttaaaatgt	aaatggaaaa	tagagaagta	gggcaggtcc	ttaataat	gaagcaaagt	900
ttggatatgg	taagtatcaa	gccagtgcct	tgttttaggg	agaggtat	gcatatgtct	960
acgtatat	gatggagtat	gtgctggcta	gctttgtcaa	cttgacacaa	tctagcatca	1020
cctaggaaga	gggtctcagt	gcaggattgt	gtcagtttag	ttgggtccctg	ggcatgtctt	1080
agagggattg	gcttgattat	gttaattgtg	aagggaagac	cgcccactgt	gggcaccacc	1140
attctctaca	caaaggaatc	tggaatgtat	aagaacaagc	tgagcactct	ccatgcatgc	1200
atttattcat	aagtataact	agttgcttca	agttcctgcc	ctgacttcct	tgaaatgaag	1260
gactttaacc	agtaattgta	agtcaaataa	accctttctg	aaacttg		1307

<210> 273

<211> 351

<212> DNA

<213> Rattus norvegicus

<400> 273

gacaacaggt	ggagcccata	cgctgggcat	agggagcctg	ggaagggctc	aggagctcag	60
gaccactcca	ggctctctag	caccaccgct	taaaatacag	gaaaaaggtt	ctttctgccc	120
ttcctggcgt	acacagaaca	gattccaagt	ggttcaattt	gtcccctaca	gctcatgtac	180
ctgcttgcc	tcctcagctg	tccttgccct	tcttggcatt	tgtacaccca	cagtgaaggg	240
cacctggact	tgcacttcca	ttctgcccac	ctgtttgtca	cctaacctgg	ccgtagactg	300
agcatttatt	taagaataaa	atctcggtgg	tggtaaaaaa	aaaaaaaaaa	a	351

<210> 274

<211> 717

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<222> 71, 82

<223> n = A,T,C or G

<400> 274

aagtgagcct	gaaggctggg	ctaattaact	tcatggtagt	attcggattt	gaagcatttt	60
aattttccct	naaggacctt	tncttccttg	gcctttcttg	ctaactctgt	catagaaatt	120
taagtttggg	gctggagaaa	tgactcattg	attaaaagta	tggtggctgc	tcttcccagc	180
aaccacacga	tggtccataa	ccatctgtaa	tgagatttgg	tgccctcttc	tggtcatgcag	240
gcagaatact	ataaatataa	gtaaatcttg	aaagagaaaag	aaatttaagt	ttaaggggtt	300
ggagaaaagg	ctcagtgggt	aaaagaattg	gctgttcttc	cagaagacct	aggttgattc	360
ctagcagcca	catggagcca	aattgtctgt	aactctagtt	ccagggtctc	caacatctac	420
ccttgacctt	ggctggcact	gtgtgtatgt	ggtgcacaaa	cacacgaagg	cagaacacct	480
aaaaggggta	tatgtgttat	cattttaagt	tctcttaaat	gaaaagcctt	caaccaggat	540
ttcatcatta	gaaatagaat	tgatgtccac	cctgtgtcat	gggaactgag	aggaagggca	600
gtataaatct	gagaggttcc	tttgtgtggt	gggccccgaa	gaagaaagcc	ccatggctga	660
acagctgttg	tctcctccta	ccccacagct	ttccctaata	aagggtattg	tattttg	717

<210> 275

<211> 330

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<222> 189

<223> n = A,T,C or G

<400> 275

ccttttcttg	ccatggcttc	tgctgtattc	cggctgctgc	agcagggccc	tcgccgcctc	60
ttggctccgg	ccgcccctac	gttggttcc	ccagttcg	gagtgaagaa	gggattccgt	120
gccgccttcc	gcttccagaa	ggagctggag	cgatggcgcc	tgctacgcag	cccgccaccg	180
ccggtgcgna	cgctcagaga	aggcaactg	ggattaccat	gcggagatac	aagcctttgg	240

gtccccgtta caagaggcct tttcgttgga ccttctcaaa acagcatttg tcaatagctg 300  
ctacatcaaa agtgaagagg cggaacgtca 330

<210> 276

<211> 379

<212> DNA

<213> Rattus norvegicus

<400> 276

gagtgttgct gtcgtaggag ctgaagtgtc tcttgcagga cgccgcagag ctgctgagct 60  
ctcacgcctg tcacagttca cgctaacacc agccgctttc acggtctgcc tccccagcac 120  
cttgagagacc cgtttttgcta agagccatga tttattttaa aatgtgagga attgagtaaa 180  
tggaatttcc taaacgcgag attggactca gtgttcctac tacgtttgtt cagcgtttgg 240  
ctgagtgtct aagtgggttg ctgtttttgc ataatacaaaa gttagccata ttattggtct 300  
tccatgattg ttttaaatgct cattacagtg tctttttaca acatataaaa atgcttaaaa 360  
acacaaaaaa aaaaaaaaaa 379

<210> 277

<211> 542

<212> DNA

<213> Rattus norvegicus

<400> 277

aaagcaggct gacttcttgg acaagcagat gagcagagat gagcacagag cccgagccat 60  
gaagatccca tttaccaatg acaaaatcat caacctgcct gtagaagaat tcaatgagct 120  
gctgtccaaa taccagttga gcgaggccca gctgagcctc atcagggata tccggcgccg 180  
gggcaaaaac atgatggctg cacagaactg ctgcatgtgc aagttggaca ccatcttgaa 240  
cctagaacgt gatgtggagg acttgacgag agataagtcc cgattgctcc gagaaaagca 300  
ggaaatttac aggaccgtga ctgattaaag gcgacggaga actttaaagc aactggataa 360  
agatgtagtg cctcacagaa cctgccagtg gtattagact tgacaagtga catcttgga 420  
ctttaagctc ctgtcagatt tactgtgtac aacaccaacc tgatagttgt gtgcagctag 480  
gtccttctgt cagtataaaa atacactctt cagcttacgt gtgtaccagg ttggaccatc 540  
ca 542

<210> 278

<211> 487

<212> DNA

<213> Rattus norvegicus

<400> 278

gctgtcacac ctgtgcagac tgcgggctga acctgaagat gcgggggtcac ttctgggtgg 60  
gaaacgagtt gtactgtgag aagcacgccc gccagcgcta ctcaatgcct ggaactctca 120  
gctctcaagc ctgagccaaa aggtgtctgc actctcagac tctgcagaca tgaccatact 180  
gagcaagcag ggaaggggtg ataatagcag ttgatagaac taaggctggg agtccccttt 240  
gtccttgctg ggtgaggcca agggttggga ctagtggcag attgctagtg ctgagaaaat 300  
tccactctct ctggcctttc tcctgcaggc caggttctat actacagtct gaagtggccg 360  
ccatatttga caagtttgca tatagggttg ggcacaggta gaagtatcta gaagggaaaag 420  
gtgggcctga ggttaataata ttcatggtat gaagtttcta acatatgaac tatatatata 480  
tgtggct 487

<210> 279

<211> 680

<212> DNA

<213> Rattus norvegicus

<400> 279

aaccaattta tagacacata gcatctttcc tgtcagtcct caaactagta ttaataggct 60  
taataattgt tggcaaagat ccttttgctt ttttcggcat gcaagctcct agcatctggc 120  
agtggggcca agaaaataag gtttatgcat gtatgatggt cttcttcttg agcaacatga 180  
ttgagaacca gtgtatgtca acagggtgcat ttgagataac tttaaagtat gtaccggtat 240  
ggtctaagct ggaatctgga catcttccat ccatgcaaca acttgttcaa attcttgaca 300



atgaaatgaa	actcaatgtg	catatggatt	caatcccaca	tcatcgatca	tagccctacc	360
tatcagcact	gaaaactctt	ttacactaag	ggatttttgc	agagcagcgt	gactgacatt	420
atgaaggcct	gtactgaaga	cagcaagctg	ttagtacaga	ccagatgttt	cttggcaggc	480
tcgtttgtacc	tcttggaaaa	cctcagtgc	agacagtttt	ccatgctggc	acgtgctgaa	540
ctctgcacac	acatggcagt	cagtgatact	gtgtagcttc	cccagagcca	ctgttaataag	600
tttcttcttg	acatggcatt	actacttgta	attcttttct	tggatcatgt	taagaaagta	660
cagaattgag	ttgcaacttg					680

<210> 280

<211> 378

<212> DNA

<213> Rattus norvegicus

<400> 280

gaccacacag	gggatgcagg	accagctggg	acctgctgtg	ccagtcctgg	gttgcccttg	60
cctgcatgcc	cagagagaaa	tgttttgcgg	tttagcacag	ggacctgttt	gtcgccggga	120
catctgtgtg	taatataaac	agacatggga	ctaggaacat	actcgagtca	aaagcttaat	180
cctcagtcag	tttatacgca	gtcgagccac	atgaaattgc	caagtttagc	ccgagttttg	240
tcagctaaga	tgacggtttt	acatggttga	atctaacagt	catggaagtc	ctcagaagtc	300
ttaggcgtgg	tcttaagtat	gaagggtttg	taatttggcc	tcctctttct	caaataataa	360
agtatttgg	ttatgccc					378

<210> 281

<211> 1016

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<222> 20, 23, 28, 36, 39, 41, 50, 51, 56, 58, 66, 78, 79, 157, 246

<223> n = A,T,C or G

<400> 281

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aaaggagcgg	acaaaagcgt	caacgttgag	gagagangag	cggaagtagt	cagatttcgc	180
atagggccgt	aaagcggata	gtgttttcgc	cttccggatt	aacgacagca	gctcagactg	240
tcagtnccgg	ccttccttgt	gccggaccct	tcctaattca	atttccttcc	cattccgggc	300
ccttccttat	cgtcgccctt	ttcaccttgg	atcatgttca	agaaatttga	tgaaaaagaa	360
aatgtgtcca	actgcatcca	gttgaaaacc	tcggttatta	agggtattaa	aaatcaattg	420
ctagagcaat	ttccaggtat	tgaaccatgg	cttaatcaaa	tcatgcctaa	gaaagatcct	480
gtgaaaattg	tccgatgcca	tgaacacata	gaaatcctta	cagtaaatgg	agagttactg	540
tttttttagac	aaagagaagg	gcctttttat	ccaaccttaa	gattacttca	taaatattct	600
tttatcttgc	cacatcagca	ggttgataaa	ggagccatca	aatttgtact	cagtggagca	660
aatatcatgt	gtcccggctt	aacgtctcct	ggagctaagc	tttatcctgc	tgtagtagat	720
actattgttg	caatcatggc	agaaggaaaa	caacatgctt	tatgtgtggg	cgtcatgaag	780
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ctaaatgatg	ggctgtggca	tatgaagaca	tataaatgag	cttccaaagg	aatgtgcttg	900
ggctaactat	agatactgtg	ctgtatctgt	ctctgtgtct	gtatgacagc	atgaagacaa	960
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<210> 282

<211> 360

<212> DNA

<213> Rattus norvegicus

<400> 282

cggcacgagg	ggcttttagt	agaggtgaac	aggtttgagg	cccagagctgt	ttgctaagct	60
gaagtcatag	gttgtgaagt	aatttttaac	ttctggaatc	atgttgccca	ctgttactct	120
aaatagaaat	ataggaaggt	tttttttttt	taaatgtgaa	tttttgccca	tcttttaaac	180
tttggtatgc	aactttcatt	aaccttaaat	acactgaatg	gaatctacag	aagtgaagaca	240

tctcagaact ttcctgatgc tacggctttt gtttttccag tggccagaat accaaaaatgc 300  
ctgttgatatt tatggattaa aaactgctga ttgagctatt gttaaaaaaaa aaaaaaaaaa 360

<210> 283  
<211> 524  
<212> DNA  
<213> Rattus norvegicus

<400> 283  
tcaaagtggg acagtgtttc gaactggaca gaaagtaacg ttagcataaa atacacttct 60  
gatttttcta gatgtgtctg ctctgatggg ctgtccctaa gttgtaacta taagaacgat 120  
gtatagattt taatttaata aatctgggta atctataaaa tcacagaatg gtaagtgtctg 180  
tgattgcaca atgctcagga ctatctgaga tcaatagtgc aggctaaatg gggttatttg 240  
taagagatgg tgttttgtcc ctacagtctgt attaagtcct caatggctctt atgtcagtgg 300  
cagagctcat ttgctctcct tcagagggat gcatttcttg gcactcacag acccagagtc 360  
actgttttct tagctcctgg cagattgtat gccttgcaac ttcttgactg ttttgaaaa 420  
agatatattc tattatcttc ttttttttgg tttttaatca gaacataaca tttacacata 480  
attcaataaa atttaatccc ttcaacccaa aaaaaaaaaa aaaa 524

<210> 284  
<211> 263  
<212> DNA  
<213> Rattus norvegicus

<220>  
<221> misc\_feature  
<222> 42, 71, 108, 131, 161, 191  
<223> n = A,T,C or G

<400> 284  
gcccgaacct caaggctcca ccatgttctc gcggggcgagc gntgtcgggc tgtcggcctg 60  
cgccgtgcag ncgcaatgga tccaagtctg aaacatggca actctggnag atattaccag 120  
gagactgaag nccatcaaaa acatccagaa aattaccaag nctatgaaga tgggtggcagc 180  
tgcaaagtat nccgggctga gcgggagctg aagcctgccc gagtgtatgg gacaggttct 240  
ttggctctgt atgagaaggc tgg 263

<210> 285  
<211> 162  
<212> DNA  
<213> Rattus norvegicus

<400> 285  
gggggcgggc aaaaagggga cccatagggg gaatacccat ttgaggaagg gggaggggag 60  
ggaacggccc ccataaagac aggccccgcc ctgttcatgc ttgcaagtga gagttacaga 120  
accatttccc ccttgcccta ataaaagtaa ctaaagccag tc 162

<210> 286  
<211> 862  
<212> DNA

<213> Rattus norvegicus

<400> 286  
agaagctgta cacttatagg cagagttatt ttcctgttta cattctgtgt tgtttggggg 60  
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aaccattgca tgtttgcttt cgggtgtatcc ctttgtgaaa ttagcacttt tggggccaat 180  
gaagaaactt tgctgcattt actccctttc cctccccttt cctcagtaga aatgtgtttg 240  
atcagcaagt tgtgagtcaa actgctgcct ttaaaaacac cacaaaagct gattcagttc 300  
aaaatgaacg cacatctttc aaaactgggt ttctgatact tgtggatgtt tttctttatt 360  
agatgagaat gtattgccat taaatccatt agtattacat tgctttcaaa gaaaagggtgc 420

gtggaactat	aatccagcat	cttttactgc	attcaaagat	gggagcaaac	ttttgtatgg	480
ttgggagatg	tggctggaaa	gtacttttga	aaatatacaa	tcaagctatt	tcgtcgcata	540
ttaaaagaaa	aatctcaatc	acagtgttgg	cttttatttg	gaatttgctc	atcttgcttt	600
ttcttttgaa	actccgtcat	tggcattggt	atttgattgt	aaagaggggc	ccagtatcag	660
cttgttgaat	ttgtcgaatc	ttttactgaa	cataaatggt	caatagacgt	gacgcttccc	720
accatctgat	gatgatggct	ttgcagaccc	cctggacagt	ttcttgctcc	gtgctcacc	780
ccgcttggtg	atgactctta	agctttctca	ttgtgggctc	ataaccggtt	catgaaaata	840
aatgaaaccg	tgattttcct	tc				862

<210> 287

<211> 460

<212> DNA

<213> Rattus norvegicus

<400> 287

gaacacttca	gctttgcaac	taaaattatt	acagtttagt	aatcaattaa	accaacccac	60
aataagcagt	acacatctgc	caccacccac	gttgttcgca	ttctccttac	caatattaat	120
cccagcgtgg	taactctgtg	tgacgcccct	cccctgataa	cattttgtaa	cattgtgctg	180
ccttagagtt	tgtactgtga	gttctatcag	tatttatgtt	gaaatttcta	acatggattc	240
tagtctctat	tctgttaatt	taattttaaa	tgctttatcc	atttgtgcaa	aggtaaacac	300
agattgtatc	ttttttaatg	gtacggcata	aaaaaaaaata	accctgaagt	gaagtggctc	360
tatactgttt	tatagattcc	tttaacgtgt	atagatatct	tgtaaacttg	tattgtggat	420
gtgtaaataa	tatgtacttt	gggtttttta	caccgcatgt			460

<210> 288

<211> 858

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<222> 825

<223> n = A,T,C or G

<400> 288

cacaccccgt	atcgcggtgt	ggaatccctt	cccacctttg	caagttttta	accggtattc	60
acctaggagc	aatcatttgc	ccgttttacag	attcccggga	acgggggttg	atcgaggggt	120
gctcttttct	ttgactggaa	ggcccgcagt	cggcgacaat	ggcaaccctt	taacccttgc	180
tgtgaacggt	tcccggacgg	aatgacagtc	tggattccac	agcggtaatg	acccttcttg	240
gggagatgcc	ctgtcattga	tcactcagtt	ttgttccatc	ggatttttga	gctgaggatg	300
aacccccccac	ttgatgagat	tggagactat	actcatgtgg	agagagtgc	gctcccattg	360
gatcacggga	cgttgctaatt	cctggaagga	gccacgcaag	ctgactggca	gcaccgagtg	420
cccaaggaat	accagtccag	agaacggaga	gtaaacctaa	cctttcggac	cgtttatcca	480
gaccaagag	gagcccccg	tgatacttct	gcagagctgc	cactgagggt	agggtgtgct	540
accacagcagc	ccctcccat	ctcccagaag	cacttccaga	agctgctgcg	tgtacctccg	600
tgatgtggct	gtttggaaat	tgtgtttgct	tctcagggtcc	tattcctcct	gaatgagagc	660
taccaacact	tcatgctgtc	cgcatgtcta	ctataggggac	agttacttga	gacaactctc	720
taaatacaagg	gttgtcctta	ggcaaattaa	aaactgctct	ggctgtgcct	acagaaaaaa	780
aaaaaaaaaaa	aaaaaaaaaag	ttgtgcggcc	gcaagcctat	tcctnctcgt	gaggcttaat	840
tatcgcttga	tgcccgcg					858

<210> 289

<211> 471

<212> DNA

<213> Rattus norvegicus

<400> 289

tagaagtgcg	cacacacagc	aaccacacca	caggccgttt	gccagagacc	ttggctgatt	60
ctccagcgct	tttgacacct	gggagccgc	ccaagtttga	agctgcctgg	ccagagcccc	120
ctgcctaccg	aggatgtctg	aggaagctgc	tgttcaacgg	ggcccctgtc	aacatgactg	180
cttctgcacg	catccaggga	gcagtgggga	tgagcggatg	cccctcagga	accctagcaa	240

tttccaagca	gggaaaggca	ctgacccaga	ggcaggccaa	ccccagtgtc	ttcccgtac	300
gctggcattg	aggttcccag	acctagtgtt	tgcgtacact	ttttgtgatt	aacaagtcac	360
ttctggttta	cactgcggaa	cagacatatt	tatactttgt	ccctcttgcc	cgacagcttt	420
cagtactgag	atctgtaaaa	ttgtgggtat	ggaattaaaag	tgacttgttt	g	471

<210> 290

<211> 600

<212> DNA

<213> Rattus norvegicus

<400> 290

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agaaggcaag	gatgctggga	agcagggcaa	agtagtccaa	gttggtcggc	agcggaactg	120
ggttgctctg	gagggattga	acacgcatta	ccgctacatt	ggcagaacca	aggatcaccg	180
agggaccatg	atccctagcg	aagccccctt	gcttcatcac	caagtcaagc	tagtggatcc	240
tgtggacagg	aaacctactg	agatccagtg	gagattttact	gaggcaggag	agcgtgttcg	300
tgtctctaca	agatctggga	gaattatccc	caaacctgaa	tttcctagag	cagatggcat	360
tgtccctgaa	acatggactg	atggccccaa	ggacacatca	gtggaagatg	ctttagaaag	420
aacttacgtg	ccccggctaa	agacattaga	agaagatgtg	atggaggcca	tggggatcca	480
ggagactcga	agattcaaga	aaatctattg	gtattgagcc	ttaagagtac	tgcttcaccc	540
tgaagtccac	cctttctttc	taaaacacca	ataaagaagc	cttgggtgct	gctgctgtcc	600

<210> 291

<211> 187

<212> DNA

<213> Rattus norvegicus

<400> 291

tgcaacagtg	aacagtgaag	atactcctaa	gacgtttttca	ctgttggcct	ggatgtgggt	60
aggtggtgtc	tctggaagta	atgacaggag	ccgtaacaaa	ctctcaatct	gtctgtctga	120
gatgaagatg	ccttttgaaa	acaaaattaa	agatctttta	gaagcaaadc	aaaaaaaaaa	180
aaaaaaaa						187

<210> 292

<211> 532

<212> DNA

<213> Rattus norvegicus

<400> 292

agatagcttg	tattacttaa	tcatgtgtaa	tcatggttgt	gagcaaaaac	agtgtgttaa	60
caagcagtc	caatttttaa	caataactta	gcttccagtt	ttagcctcat	actttagagt	120
ccaatacttg	aaagatggag	gcaagaagac	ttcogtgagt	ttgagtccag	ctggggctag	180
agagaccctg	tttcaaaaga	aaagaatctg	gggtctggag	aagtcaactc	tactcaggaa	240
acccattcac	agcatctgaa	aactcatggc	aatgtgtggc	cagaatagta	acaatgtaac	300
tgcattttta	aaagtataac	taatgtgaga	ataaatatcc	caacaggttt	tgattgtaga	360
gagcaaagta	acctggaaga	ggccaggaaa	ttttgtggga	tactagagat	gttctgtggc	420
atgacagaag	tgtcaagagt	gtgtgtcaaa	aacttatcaa	ggcaaacata	aaaatgtgtc	480
tttacaagtc	atagacctca	tttcaaaact	aataaaaatat	tgtcccagtg	tg	532

<210> 293

<211> 503

<212> DNA

<213> Rattus norvegicus

<400> 293

cccctgtcct	ttttcaggag	cagtggcgct	tctgtatctc	tcccttggag	ggagctgagt	60
aactttccac	tgggtcacag	ctggagggaag	ggacatatag	acaaaaagaa	gtccaggtga	120
ggcagaaaaca	tgccgtcagc	tcaccctcct	ttgtggaccc	ttcccccaac	aaggcctctc	180
tgcagggggac	tatagatagc	actgacattt	gtctaataca	taattagttt	ctcttaattt	240
ttttttacta	acgacactta	taagtctcta	gttctcacia	acatagaata	aggcttggtg	300

cataataagc	agtttgctat	ttaggctaac	aatTTTTTTga	ttcaggtttc	ttagttagat	360
gaacaattcc	cgaaagtttc	gatttccttt	tgtagtaatt	gctgtaagga	taatgactat	420
ctattagtca	ccctggtgca	tgagatgtac	tgtacctttt	ttttatatatc	taaataaaga	480
cctcttgaaa	ttcttcctt	tct				503

<210> 294  
 <211> 244  
 <212> DNA  
 <213> Rattus norvegicus

<400> 294						
cggcacgagg	ggagcacctg	tacctgatgc	cgttctcgga	caagacccaa	gccacaggaa	60
gagtaagacg	tacaacccaa	gaaccaggga	gcctcctgga	ctggactctg	cagttttcca	120
tattttaaac	aattagtgcc	ttctagaaga	atggctttcc	ttttcctgc	acaaaattcc	180
caatatccca	gcctctctca	atttaatagt	agccttaa	aaaggttgtc	cttctgatgt	240
actg						244

<210> 295  
 <211> 414  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 159  
 <223> n = A,T,C or G

<400> 295						
ggttccccctt	tgcgtactgc	tggatggagt	tgagtccctc	aagatatttc	ccccgttttc	60
gactatggta	aacagccggg	aatttgggag	ttaggagatt	ggagggattg	cagcaaaagg	120
aaagtctttt	gggatcggtt	cacggccgaa	ggcagaccnt	accaagcgcg	cggggcttcc	180
tcgggtcccc	ggtcctgttc	ttcaaattcc	atggctctaga	cgtccttccg	gaactgctga	240
cagcaccggg	ccaaggagca	aagagggcat	tgttacatag	gccattaaaa	atcagttcac	300
ccggaggagc	tctggttggg	gagttggacc	atggtgaacc	tgtattatgt	atcacaagca	360
catttaattg	gaagataaag	ataaatcgat	ctttatgaaa	aaaaaaaaaa	aaaa	414

<210> 296  
 <211> 407  
 <212> DNA  
 <213> Rattus norvegicus

<400> 296						
ggaaatctgg	gtggatgagc	catgtgtggt	aacgtttttt	ttttaaccct	ttggccaccg	60
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agtagctgtc	agtttgact	caggtacaca	tcagcttcat	gtctcctaaa	ggtgcttaga	180
ggctcaggaa	cactgtctgt	ttcagtacaa	aaagtgcgta	gacagtatgg	agaggatttc	240
taacaacagg	actttgctaa	ctgtctgtgg	ttgagcatag	acatttttct	acttactgtt	300
ggagatactc	tgaaaatata	ttttttttcc	tgtgttggtt	aagtatagta	ccttttgcaa	360
aaattgcttg	gtgattaaaa	ttatttttagc	aaaaaaaaaa	aaaaaa		407

<210> 297  
 <211> 421  
 <212> DNA  
 <213> Rattus norvegicus

<400> 297						
accagctggc	ccagaggacc	ttccacaccg	ttgatttgta	caagaaacac	caggaagcca	60
tgactccagc	tggtctggct	ttcttccagt	gccgctggga	tgactcggtc	acccacacct	120
tccaccagct	tctagacatg	cgggaaacctg	tgtttgaatt	tgtacggcca	cccccttacc	180
acccaagca	gaagcgcttc	ccccaccagc	agccccctacg	ctatctggac	cgatacaggg	240
acagtcatga	gcccacctat	ggaatctact	gagtatcat	cgcagagggt	gagagggcac	300

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agctggaagc tcacatctca ggagagacca tcggaagcca actgagactc cctgcagccc 360
ccccccccc ccagcagacc caggggcttc ggttatatgt gaataaaatg cttttttcct 420
g                                                    421

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<210> 298
<211> 591
<212> DNA
<213> Rattus norvegicus

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<400> 298
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tggtgaaaga ataacactgt gcagggtgtca ttatatgtga gataactgtt tgcagaggct 120
tagtcaactt gaaaatttac gaaaaagcct attggagttg gaaataatcg cctgtggaaa 180
tgtcacggac aacggcgtca ttgctttgctg acactttaag aacctcaagt atttgttctt 240
aagtgatctt cctggaataa aagataaaga gtaccttgcc gaagtcttta ctaaagcact 300
gccttctctg gaactaaaat taaacctgaa gtaaaataag tgtctgggtt cactattaag 360
gatcccttga aattgctgat actagatagc tacaaatatt acataatcag cagtagaact 420
gtgaaaatga cttagaaatg gagaatggat caggaagaga ataaataatc agaagtcact 480
cactgaagtc acttagttga aagtgaagaa ttatgtacac tgaatcattt ttaaactgta 540
acagcatttt aatatatttc tcatatttat ataaatatat atgtagggtg t 591

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<210> 299
<211> 488
<212> DNA
<213> Rattus norvegicus

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<400> 299
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agatggggct aaagtaagat ttagaaaact ttggaatgga agctctacag ttcaccagct 180
tttctttaga ctaaaagata tcattgactg gaaaaaatag acacataagg gaagcctcca 240
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tgtagtgaaa cactgcagga ctcttgacag cattgccctc agagagggag ctctgctaag 360
atgtttgtat cctattttatt tcaaagtatg aaagatatat ttttaactta ttgtttacct 420
gtggcgtgat gcttctgtta agcgtttaca ctgtattgta tagctttatt tagtaaagtg 480
gtcacata                                                    488

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<210> 300
<211> 542
<212> DNA
<213> Rattus norvegicus

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<400> 300

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atcataccct agagcatcct tttgtttctg tggctccac agtgaaggac acctcatagc 60
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tccctggcag catcgagcca gctagaaatc tgcttcttaa atgtcgtccc gtgtgcctt 180
acagattctg ctcgatggcg ctcacagagg ttgtaatgtt ggtctacaga aggcgtttgt 240
accaaatcgt ttcttaactc tgctagagtg atcacggccc tcaacacgct ttgtatgctg 300
gggtggggga atggaattat atatgtgaat aggatatatt tttcctaaca gttcactctg 360
ggtcctacct gggatgttcg catcacgaca ggggaaggact cacaagggtg gcacacctgtc 420
tgcagcattc cgacagctgc cttaccaacc cacaagctgc aggacttctg aatgaaggca 480
gatggtgcgc accacggcca gtcccaggaa gaacctaaact tcgtgaccga taattcatct 540
tt                                                    542

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<210> 301
<211> 604
<212> DNA
<213> Rattus norvegicus

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<400> 301

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attgcacgag	gagaatttgt	aatgaaggag	ctagaggcct	tatatttcct	taggaaatac	180
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ctagctgaca	atcagtgcc	gctgtttgcc	tgtaccaatt	attatacaat	aattcagttt	300
aaaaggggcaa	gatacatgtt	tttttttaaa	gtttccctat	tgtactaata	taggtttcaa	360
ccctattgat	actgagagct	ttgcccataa	tcctttatta	ttgaaatagt	aacattagca	420
cctttcagga	gaatacaatt	ttgaaagaaa	atacatctaa	ttttttaaca	tattatagcc	480
aagtattcta	tttcttcatt	tactgatgag	attgtcatta	gcaaatgggtg	tctgataggc	540
ctgcctgccc	tttagtttgt	ggagtgtcct	tgtttttggt	tttgttactc	catctagtat	600
actg						604

<210> 302

<211> 121

<212> DNA

<213> Rattus norvegicus

<400> 302

cggcacgagg	gaccccaagg	gtgtcacatg	tagagaattg	cttcctgacc	accacgtggt	60
cacaaaatac	gtgtgcccac	acacaataga	ttgcctcaag	tcctaaaaaa	aaaaaaaaaa	120
a						121

<210> 303

<211> 560

<212> DNA

<213> Rattus norvegicus

<400> 303

tgtttatgct	cgcgtacatg	tgtgtatggt	taacagggat	ggcagtaata	gttcccttaa	60
atttgccaat	ttagagtaag	ctcttggtt	ttcattgaat	tgagaacggt	ggccttcattg	120
gggagagact	ttttactgcc	accaccaccc	cattcccaat	tgttctattc	cctacagaga	180
taaactttca	ttttccaatt	gtccctgtct	tttacatttc	agagggctcg	cggtaggct	240
atggagtga	tggtgaagtt	aatgggagct	aaatgggttg	gttccgctgg	ccgatgcttg	300
gccaacacta	tacacttttg	tctccctacc	tgaagacaaa	cagcctgggc	tttcttttgt	360
ggagtgtagc	attttgcatt	tttcttttga	agtcttgatt	ttgttggcga	aataacttgac	420
ggctgatca	ctttctcagg	tctgctttac	ggtaagagtt	cctggagctt	tgtgaatcca	480
aaaacgagtt	ccagacattg	tcatgaatag	aataaattct	gtttcctgca	tgtgtgtttt	540
caagtgtgtg	gacactgtta					560

<210> 304

<211> 556

<212> DNA

<213> Rattus norvegicus

<400> 304

ggagtacagc	cagctaagcc	tatccgacaa	cttagttttt	atggtgtttg	gttggatttg	60
ggggtagagg	ttaaactgat	atgaaaatat	tgaaacctta	aaaatggaag	tttgtgggta	120
ttcattaatt	tttctcaagg	ggaacggact	ttccatctaa	ggattctctc	tgctttgcc	180
cttgttttcg	ctctccta	gtctctccag	gttcagacg	actcggtaac	cattctcctc	240
agatactcct	ctaggtctta	atcttggtta	agagtccttc	actaagagta	acatcatgac	300
tgtgctgtgg	gcatgacttc	atctctgtct	gtctctctcc	ctcctgctta	aagagagcta	360
tttaactgtg	ggggaaataa	aaattattaa	cctaaatgat	tttcttaaaa	tttgtaaattg	420
tcgattattc	attagtgttt	gacataggtt	tttttaaaaa	catattttatt	tcaaattgtc	480
ttttattaca	aaagccttga	tgttgtatgt	ccattcatgc	aagctctgat	cagataagct	540
tcaataaatt	gtcagc					556

<210> 305

<211> 670

<212> DNA

<213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 37  
 <223> n = A,T,C or G

<400> 305  
 cccatcttct ttgcaagtgt cacagcttgt tcctttntga cgccttcaat tatatcaaca 60  
 ggctccttta caatggcttc aggattctca gcagcaacat cttcaatgtt aacccacact 120  
 tgtgaacttc ctatcagtac agggccttga aatgacctct ccattgttat tgcaaagtag 180  
 tattctctcc tgggatattt tcgctcacag accaaaaactt gattgcatat tctgcccttt 240  
 gctccagttt gcttggtaat caatttttgc ccaatcatct gtgaggaaac agcttttgct 300  
 tcttctggag agaaaacaat cttcactcct cctttgaggc cacttgtaaa cgttcctttt 360  
 cctctgccgc cagctaaaac ctgtgccttt atcacaacat cctttgacct tagctttttg 420  
 gcgattgcat aagcttcata tgatgacttt gcaacgaagc ctttggggac agagacgccc 480  
 gcttcttgca gtaattccat actcaagtat tcatgcagtg agagactcct ctgctgctgc 540  
 tgctgctgct gcatttgga tccatgcttg ttaaacaatc cagaacttcc cagagcctgg 600  
 gccgtggctc gcactgtagt ctgcgaccgg tggctcctca gggcggccgc ggccaactgc 660  
 cgccgaaag 670

<210> 306  
 <211> 335  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 241, 308, 323  
 <223> n = A,T,C or G

<400> 306  
 cctggctcgg ggtaggagg ccctcgtgct cgtagatcaa acatgcactt tactagcagt 60  
 tctactggtg gactctcttc ttctcagagt tcatactctc caagcagtag ggaagccatg 120  
 gttcctatag ctgagctggt atctcagtta tcaggagtga gacgttctgc aggaggacag 180  
 cttaactctt caggcccttc cgcttctcag ttgcaacaac tgcagatgca gctgcagctt 240  
 nagcggcaga tgcgcaggcg gcccggaac aactggagac tgctcgcaac gcaagtctcg 300  
 cgactanca caagcagcgt cancactacg gttca 335

<210> 307  
 <211> 587  
 <212> DNA  
 <213> Rattus norvegicus

<400> 307  
 gtgtccatgg agagaagctg aggtcccacg ctccagcccg aggctgcggg cgctgcgacg 60  
 tggacatgtc ggcgtcggtg gtccgcgcca ccgtgcgggc cgtgagcaag agaaaactgc 120  
 aaccacgcgc ggcggcgctc acgctgacct cctctgctgt gaacaagata aaacaacttc 180  
 ttaaagacaa gcctgagcat gtgggtctga aagtgggtgt gcggaccagg ggctgtaacg 240  
 gcctctctta cagcctggag tatacaaaga caaaaggaga tgctgatgaa gaagttattc 300  
 aagacggagt ccgagtgttc atcgagaaga aagcccagct aaccctgtta ggcacagaga 360  
 tggactatgt ggaagacaaa ctgtccagtg agtttgtgtt caacaacccc aacatcaagg 420  
 gaacctgtgg ctgcggtgaa agctttaacg tctgaaagct gaggactgca aactccagga 480  
 gagctgggtc tgccttgagg cacaccgaag aatcatgtg atgtcccgtg tcggaagtta 540  
 gtgtgtggct gcctcgtggt tgagaataaa gtgaagcatt gaaaatc 587

<210> 308  
 <211> 524  
 <212> DNA  
 <213> Rattus norvegicus

<400> 308  
 cagtttcatt aggtaaatga tggctcgatg gctgcatagg ccaagtctgc acagaggaaa 60



```

acactgctgc tagcgtgccc gatgtggaat atcaccttta agcattgctt aaactttaaa 120
agagtctcgg cctgacactg tcgggaacag cggatggcgg catcgccact tgcagggtca 180
ggtttttagca aagtataaac tttccaggta acacggtgtt ctttttgatc ttcgcaagca 240
caagcttttg gtttctacaa cagacagaca gtgtgaacag atcgatgcct ggctccatt 300
gcctgctttt atgagattcc ccagtgaatc ttcctaagt tggtttcatt tacgtgcccc 360
acatagctgg aatttcccat cctcattggc ttgcagtttg ttatcagctg aagcgctccg 420
gtgtcctctt tctacgttgc ctgtctatga catggtgctt ataaagattt aatgaaagca 480
agagtgaat aaagttttta taattgtaaa aaaaaaaaaa aaaa 524

```

```

<210> 309
<211> 357
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<221> misc_feature
<222> 73, 302, 352
<223> n = A,T,C or G

```

```

<400> 309
ggggtggtgc ttagccggcg ccagaccgac cctcggcttc ggagaggtag tgctgttcct 60
ctcgtgctc ccncggctt cggcttcctc cgcttcctca gggaccgcg accctgggtat 120
atgacctacc tctgacctg ctaaagccat gtcgaccccg gcccgagcc gcctcatgag 180
ggacttcaag aggttacaag aggatcctcc ggctggagt agtggagccc cgtcggagaa 240
caacataatg gtttggaacg cggtcatttt ggccccgaa ggacccatt tgaggaggaa 300
cnttaactt acaattgatt cactgaagaa tatccaataa accacctatg tnagatt 357

```

```

<210> 310
<211> 446
<212> DNA
<213> Rattus norvegicus

```

```

<400> 310
tagataaagt tgtccaggag agggaagatg ctttaaggct gcttcagacc ggtcaagaaa 60
agccaagacc cgggtgcttg agacaggaca tctttggaag aatcgtctgg cacaaattca 120
agcagtggcc tataccttg tacctaaata agagatacaa ccggaggcgg ttcttcgcaa 180
tgccttacgt ggatagcttt atcagactga gaattgagaa acatgccgc actgaagcaa 240
gaaagagaag cttacagaaa aagaaagga acattctcca ggcaaagttc ccacatctct 300
ctcaagaccg gaaatcgagt actgtctaaa atgagatccc gaagtccagt ttcgttgtct 360
taaagtctgt gtcctgatgt gaatatctgt taagcggttt ataaagaaat gttcttgtaa 420
aaacagaaaa aaaacacttg cggccg 446

```

```

<210> 311
<211> 406
<212> DNA
<213> Rattus norvegicus

```

```

<400> 311
tgagacagga acagtgttct tagcagagct agaagggtg ctccgaggag ccatgccaaa 60
aagcagacct gcacactgct ttcctcactc tggaaggaca aagcatcaag actgtggctt 120
ggatccacag tttgtgcgtt ttgttgattc ttatccttag ggtctgggtg cctcaatgaa 180
gcttttcctg attaaagagg tcaagactgg ggaggcaagg gcagtggaca gaccttcccc 240
tttctggtt ctgttctgca ctagggtcat ctcaggcgg tactcctgaa ctcatcat 300
gatgaaataa atattgggga atctactgct acatgatgaa ttagggtgca cttttaactc 360
ctgtaaccat gaaataaatg tcaagggtc aaaaaaaaaa aaaaaa 406

```

```

<210> 312
<211> 606
<212> DNA
<213> Rattus norvegicus

```

<400> 312  
accaccagct tgtggacatt attgagaaag taaaacctga gattcggctg ctgacgcaga 60  
aatgtaaacac ggtcaaaatg tgggttcagc tcttgattcc caggatagaa gatgggaaca 120  
acttcgggggt gtcgattcag gaggaacacag ttgcagagct aagaactgtc gagagtgaag 180  
ctgcgtctta tctggaccag atttctagat attatattac aagagccaaa ttggtttcta 240  
aaatagctaa ataccccat gtggaggact atcgccgcac tgtcacagag atcgatgaga 300  
aagagtacat cagcctccgc ctcatcatct cagagctgag gaatcagtat gtcacgctcc 360  
atgacatgat cctgaaaaac attgagaaga tcaaacggcc ccgaagcagc aatgcagaga 420  
cactgtactg aggccagggc cagggccggg ggactttgtg agtctggctc aagaccgaca 480  
ttgccttggt ttgttatatg actatcgtga tggggaaaact ggctggaat agtaatcaca 540  
  
cctctctggt tttagttaga gtctaataa actctcatct agttctgtga aaaaaaaaaa 600  
aaaaaa 606

<210> 313  
<211> 474  
<212> DNA  
<213> Rattus norvegicus

<220>  
<221> misc\_feature  
<222> 326  
<223> n = A,T,C or G

<400> 313  
atcttgcttt gctgtctgca gctttgaccg taggaaaggg caactgctag agccatgaag 60  
ctcctcagca gggccgggtc cttctcgaga ttttattccc tcaaagttgc cccaaagctt 120  
aaaacttcag cccctggagg agtgccctctg cagcctcagg aacttgagtt taccaaatta 180  
ccaaatggtt tgggtgattgc ttctctggaa aactatgctc cactatcaag aattggctta 240  
ttcattaaaag caggcagtag atatgagaac tacaactact tgggaacctc tcatttacta 300  
cgctcttgcat ctactttgac taccanagga gcttcatctt tcaagatcac ccgtggaatt 360  
gaagcagttg gtggtaaatt aagtgtgact gcaacaaggg aaaacatggc atacactgta 420  
gaaggcattc gggatgatat tgaaatcctg atggagttcc tgctcaatgt caca 474

<210> 314  
<211> 270  
<212> DNA  
<213> Rattus norvegicus

<400> 314  
ctaaaagctg gatattctaatt gtctgtggag acgtcagagg gcttcctgag tgaaattggg 60  
tcacaggctc tagctgcagg ttcttatatg ccaccttcta ccgtccttca acagattgac 120  
tccgtggctg atgctgatgt tgtaaaggct gcaaaaaagt ttgtttctgg caagaagtca 180  
atggcagccg agtggaaact tgggacatac gccttttctc gacgagttat aacacatgcg 240  
tgtattttaa gctcaccag accacaagca 270

<210> 315  
<211> 196  
<212> DNA  
<213> Rattus norvegicus

<400> 315  
tttgaggtac ctctgagagt agtctggaag caaaatgttc tcctctcagg atgatgtcat 60  
ttgtgaagca gggaaacatg gagaactagt gctatgcgtg agtcttgga ggttgacact 120  
gtaattgtca gcgggaggtc gtcgatgtag atcacgctta agaaagggtga tccatggtag 180  
aaagatagat cacctt 196

<210> 316  
<211> 567  
<212> DNA

<213> Rattus norvegicus

<400> 316

```
ggcacgagga cccgctgttc ttccgaatcc agctgctctg cccagtcgga ggggacaagt 60
gtagaagggtg tttcctccaa ccagagtgtc ctccctcctc aggaggggtga gccaggggca 120
ggagtgaacc cagtccacac acccccttcc tgccgctatc gacacctgac tggtgactca 180
gggattgagc tctgcccttg tctgactcc agcgaagggtg agctagtcaa ggagctgagg 240
gctagtgccca cccaaccaga cctggaggac cattcccctt gtgcactgcc cccagagcct 300
atgtcccagg tccctcccgt ggggctggct tctagttagt gggacatccc ataagtagtt 360
tcaagaggaa aactgggtat tacttggcac caggattcag ccctggttca actgcagttc 420
tccatgtggg accctctcca ccctcctaga agatgcctga aagggtgaa gccctgaaga 480
ggggcaatac tgaggactgt gctatcttta ctcactccca aaacatacac aggagccttt 540
aatctcatta aagagacatg acccagc 567
```

<210> 317

<211> 552

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<222> 22

<223> n = A,T,C or G

<400> 317

```
gcgagaagag gaggagcctg angcgcaaca tggcgccgcc cgtagtactg cgctcgtttt 60
cgcggtgctg ggccccgcc aggtgcgga gctgctcttc aacacgggtca aagttctatg 120
tccgggagcc agtcaatgcc aaacctaaact ggggtgaaagt tgggctgacc ttgggcacct 180
cgattttcat gtggatttat ctcatccacc aacacaacga agatgttttg gagtataaaa 240
gaagaaatgg actggaataa actttggaga tactagatac tacagtctgc ttctgtgat 300
gatctttgtc attcctctga tctatccaga gttgtggata tgagaaaaaa ttacatgtg 360
aatatgtcct agtcaagtca acgtgtatat ttgtcattgt taaagaaata aaaaagggtg 420
tggggattta gctcagtggg agagcgcttg cctagcaagc gcaaggccct gggtttggtc 480
cccagctccg aaaaaaagga aaaaaaagaa aaaaaaagaa agaaataaaa atacttgtgc 540
tcttcaaaaa aa 552
```

<210> 318

<211> 516

<212> DNA

<213> Rattus norvegicus

<400> 318

```
tggctgctac tctatttggg gaaataccat cttcaacagt tcatgaagct ttgcataact 60
tccttaagac tgaagaattg caacctgggt attctgtgtc caactatatg tatgtggcca 120
agtgttatgt tgatcttggg gaatctcggg aggcttgga attctgtaac ttggcattgt 180
tattgcctat cgtcaccaaa gaggacaagg atgcacacaa ggaagtgaag aaaataattg 240
gttctttgaa gaggtaaata aagagcttat tcttcagcaa attcaatacg tcttctagac 300
tttaacagat tgtactttta taatgctttc tccttaatgt aaagatcatg tattctcatt 360
tgatttgaag gtctagcctt gccttctaca gccactgcac catgagacaa atcatgttct 420
ctgaagacag tgcttactct aatgttagcg tataatgata tctggatact tcgttttatt 480
catgtcaata aactacagcc ttaagagtgt ttgtgt 516
```

<210> 319

<211> 193

<212> DNA

<213> Rattus norvegicus

<400> 319

```
ggagggcaag aacatcaaata ggaggtgagt ttggactttt gctcaggttg ttgaggttaa 60
aaatgccctg gtcagcattc ccccttgtgg acccaagctg catccaacca gaggacacct 120
atggacattt ttaatcctgc tcacaaggag tgagtggccc ccaaaaaagg ttggcaaata 180
```

aaactgttcc gtg

193

<210> 320

<211> 425

<212> DNA

<213> Rattus norvegicus

<400> 320

```
acagaacaag ttgcagggca gcctgcgcta cacagagaac cctgtctcag aaaaaaaca 60
aagaaaaaaa tttaaaaaag acttctgaga ggtgctcagg ggggtggggct gcaaactcac 120
ctcctcctgg aaggcttccc ctgcctcccc tgccctgcct gggtcagcaa cccaacccc 180
tttcagtcac ggctgatgtg tggcccaggt gggcgctggg cagccatgca gcagcatctt 240
ttttacagcc atgttttagct tctgagggga aatgagaagc atcaggaggg agagcagatg 300
tggcactggg ctttccctgc aggcaactgt ggatcagaca acagcttgct tttttctaac 360
cataggccag gtcagcattt ggaataaaat actgtcaaag agttgaataa aaaaaaaaaa 420
aaaaa 425
```

<210> 321

<211> 643

<212> DNA

<213> Rattus norvegicus

<400> 321

```
aaatgatgct gtgattccac ttgagcaggt ttctatactg atccagaagc ttaaagaaca 60
ctgcatagtt aattaccaag ttaagacatt ttctgggcaa actcatggct ttgtgcatcg 120
gaagagagaa gactgctccc ctgcagacaa accctacatt gaggaagcga ggaggaatct 180
catcgaatgg ctgaacaagt atattttaaca gcactcaagc acaaattttg aataattaaa 240
ttgacccgaa taattaacca tctcctaaaa ttctcctgaa acatacagta ggaactaaat 300
gatcaatatc tgtaagactt aaatgatagc ataactaatt attaggggaa cctggggcca 360
ttcaggggacc agctagattc tcagatatgg ccttaccttg gtaatttggt aacatgtaca 420
aaccacaggaa gatcttgagt tgtctctatg tgtattcaat ctcccctagt gaagttcaat 480
tctgcacttc agtgtaagca gtgttgacat tcagttctca ccactctaac tattcaacct 540
aataaagtga tttttaaaac ttgtgaattt gtagcttcac ttttaacaa acacttgttt 600
ctacatgcct taaatgtgga aatcagagtt taacttgtgg caa 643
```

<210> 322

<211> 541

<212> DNA

<213> Rattus norvegicus

<400> 322

```
ctgggagccc aggccatatg tgcgatggac gatggcataa agtcactgcc aagaagatca 60
aaaacccgcc ttgagctggg ggtagatggg aaccaggtgg atgccagag cccaaatgca 120
gcctccacat cagcagatac aaacgacctt gtttttggtg gcggtttccc agatggcctc 180
aatcagtttg gcctgaccac caacgttagg ttccgaggct gcatccgatc tctgaagctc 240
accaaaggga caggcaagcc gctggaggtt aattttgcca aggctctgga actgaggggt 300
gttcaacctg tatcatgccc aactacctaa taaagataag ttcaatccgg agaagaattc 360
accaagacaa gtatatcaag ttaaacagta tacactccca ccatattaat aaaaactaat 420
gtgcgcatat acacaaaatt ctctctgcat tgtgtcagat ggtgataatt cagaccacag 480
attgaatttt aactcaagtt ctctttcaag cttatgatta ttaaaccaat tatttcattc 540
t 541
```

<210> 323

<211> 546

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<222> 52

<223> n = A,T,C or G

```

<400> 323
taagcactat ctgaagagta gcctgggctc cggatacttg agatcagctt tntcgtgcat 60
ttaccctgtc actcagtttc ttctgccaca cgtgaaaaga aatcagttgc taggtgacgg 120
agtgtctgct gttggagact ccacgagata tactgggttg ttcctgtgct tagtaactga 180
ttgctgttgg gccaggcta caggggaagag ggtgtcattg tcagtaaata cagccacctt 240
ttactgtgct atagcagtgt ggtagtgttg ttcttcatct gtcccactgc ctttctccac 300
atattataaa agctaatttt cccactctc tgagcagttc agatgttccc taacttacta 360
aatataagta cacctttaat tcagtcttgt tttcttgagt tacttgaaat tctttgcatt 420
atagaattat tgactttatt tttatcataa tatttaaaat ttgtagttat tgccattaat 480
attgtggagt ctgcagaaat ctcaactgta taaactaaac ctttaaatta aaaaaaaaaa 540
aaaaaa 546

```

```

<210> 324
<211> 358
<212> DNA
<213> Rattus norvegicus

```

```

<400> 324
catgacagta gtgcttgcca gtgcagtatg agcagagtag taagtcagag ttgtctgagg 60
tttgagcacg gtggcagaaa ccaggaaaaa agcaaatgat caagaaattg ccagaaaaaa 120
gtgatctaac aaaaagagtc tgccctatgc ctactcagag tttgaagaat caacttccat 180
tgacaagggtt ctggaacctt ctagcgtttg gaatcatctg ggggaaaaca aaacaaagct 240
ggtctgctga aagcccagct cccactggaa gccctgtgtc ccagtgtgtt ttccttgagc 300
tcttccaact tgaagaaata aagccggctc tgtagcccct caaaaaaaaaa aaaaaaaa 358

```

```

<210> 325
<211> 596
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<221> misc_feature
<222> 29, 31, 37, 56, 68, 70, 76
<223> n = A,T,C or G

```

```

<400> 325
aagggataga ttttaagtct agaaatttna naggaanaat agttttgttg cttcangccg 60
agccgcangn acgtcncatg ctacagcagc cagctttcct ttaagagcca ggagggccac 120
aagtgtgggt gaggggtgaa ctccctgccc tttttggatc aacttgcaa tcccaatacc 180
tataggctaa gttcaaggcc agcctggctg tatgtgaggc cttatctcg aagcagttgc 240
ttgcattcta acccgcatgt gtgacctagc tattggaaaag tggtagctcc tggagtgacc 300
tagctttcag ataagttggt ggagcgatta gtcttttagat tagtgctggg actcttgagg 360
gacggggagt aggtgctggt ggagcacctc agtcagtgtg gcattactct gcaactgagc 420
ttactgagtc atatacaaga ccagtaggta aaatatttcc actatttaaa aaaaaacaac 480
cctcagtagg gcatggtagc aatatctgtt atctcagaga gaggcaggaa gatctctgag 540
ttcaaggccg gccagccaag gctacctaaa ccctgtctca aaaaaaaaaa aaaaaa 596

```

```

<210> 326
<211> 557
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<221> misc_feature
<222> 25, 26, 70
<223> n = A,T,C or G

```

```

<400> 326
ggataatttc aagagatgta tgtcnnatcg ctgctgtgtt ttatgtcaga taccgaactc 60
tgccaacacn gcgaacacta gctaagtact tcaatccttg ctatgccact gctaggttaa 120

```

```

aaccaacatt catcagcaag gtcaatacag cagtccagtt aattttggtg gcagcttctc 180
tggcagctcc agttttcaat tatgctgaca gcatttatct tcagatacta tgggtgttgta 240
cagcattcac tacagctgcg tccgcataca gttattatca ctatggtcgg aaaactgttc 300
aggtgataaa gggcaaatga caggcaccca gatccagcag caaggagcga ctgcggtcat 360
cggcagcagc gccagcgaaa gccacaggac tttcccgatc ttggtgttca gcttgtgaaa 420
ggtcttgtca gacaaacat gtcttcaaaa ccgaagaaat gtacgtccaa aataagctcg 480
atcatgggcc tatacagaat ttccagtgtg tttttaaata caaataaaaa tatagtgtcg 540
aaaaaaaaaa aaaaaaa 557

```

```

<210> 327
<211> 662
<212> DNA
<213> Rattus norvegicus

```

```

<220> .
<221> misc_feature
<222> 341
<223> n = A,T,C or G

```

```

<400> 327
ttttttttta aatatgcaca tatatatgta tatatatatg tatatggaga ttcaggataa 60
aagaacagtg cttctaactc ataaactgta gtccctcagc gtagggaatc ccacctccct 120
aatcctgcct gtcagtatag cctccccaac ctggagggca cagacacca gggttttatg 180
aggcaaacgt ttctgttttag cgtgaaaatg accaacaaca gtcagtgtca aagagaattt 240
gaatattaaa acatatattcc tataagactt cttcaaaatg tatgcaagga agcctgaggc 300
agtgggtgtc atgtgtaaac aggattttga ccattgttct ntgcctgaag tacacaagca 360
cagatccaag ttcaggaggt gtcccttaatt cctcacatgc aagcccaagt gcagctgctt 420
cacttttgtc ttccaaacac agattaactt aaataattga atgtatttta aaaaaatata 480
aaatcatctc tgtagtatca aatttaagct tctgcctttt aatttggacc atgagtttag 540
ctgtttataa ttttcgcgtc ctagatacac atgaaaaggaa tggttaagag gctgtcttta 600
aacgtaagca taggcaaaaa tagaggaaag atgaaaagaa aaagaaaaaa atcacaaaat 660
tt 662

```

```

<210> 328
<211> 443
<212> DNA
<213> Rattus norvegicus

```

```

<400> 328
ctgatgttca gtagcgtaa ctcaaattta cagaggacaa tcttgggcgg aattgctttt 60
gttgccataa aaggagcatt taaggtttac ttcaaacagc agcaatatatt acgtcaggca 120
caccgcaaaa tccttaatta tccagagcaa gaagaagcat aaaactgact tttggttggt 180
ttgaggcctc tcactctgac gagtctgttg tgttctgatt ccatcactaa tgcgctagtg 240
gagactggtg ataagctact gcttctatat tctaagagat acaataaagc acgcagggcg 300
ggggaaagcc tctcagtaat cacggaacct aaggacatga gtcagctctg taatttgtat 360
gtactacttt tacggcagtc ggctaaacca ttatttttagc atggtaaatac tgggtttggt 420
catatttttc cagaccagaa tgt 443

```

```

<210> 329
<211> 423
<212> DNA
<213> Rattus norvegicus

```

```

<400> 329
ttggataaga cccacacagc atctgcatat tacggaggaa gctaccaggg tctcctctat 60
gcagtcacct cctgaggggac tggattaggg cttcagtcct ggagtttagg cttcctgttt 120
gtgtacatcc agagcagctc aggcctagag aagaggggtgc ctgtccacgt ggggtcccagg 180
gcagagccat tgcagggcc aagacagcct ctggaccctc tctccagtct gcagccgcac 240
tccaccacag gtacaggtgt gtacggcacc cggtagcctt tccactgtgg aagcggacac 300
acctactctt tcttggtcag gcagcttcaa ccaccttccc caaccacatc ctaagtggga 360
aaaactactc cggatggaca ctccaataaa gttttatagt ttgtataaaa aaaaaaaaaa 420

```

&lt;210&gt; 330

&lt;211&gt; 407

&lt;212&gt; DNA

&lt;213&gt; Rattus norvegicus

&lt;400&gt; 330

```

tcatataact gctgcagagg agaaactgca cagcatgata gtgaatctgg atagcgtggg 60
caaaaaggtc caggctgctc agtcagaggc taagggtggg tctcaatatc atgaacttgt 120
ggccaagca agggatgact ttagaaaaga gctggacagc atcactccag acatcactcc 180
tgatggaaa gggatgagta tttctgacct aggtgagtaa ttatgtaaat tttatgttta 240
atggcattct tttggatgtt gaaatactga actctttgtg gtgtgtgtga ggggtgtgtg 300
gtgtatgagg gtgtgtgtgt gtgtgaggga gagggagaga gagtgacaat 360
aaggctcttg ttttacttgt tatttcataag agcttcaaac attagaa 407

```

&lt;210&gt; 331

&lt;211&gt; 737

&lt;212&gt; DNA

&lt;213&gt; Rattus norvegicus

&lt;400&gt; 331

```

tttttttttt ttcccatat gctaacccea ggaatcctct gtgcttttcc tgggtaagga 60
agaggaagaa ttggtatctt tgaaaggagt gtggcttctt cagtgggtct cactcttaca 120
agataagggt aaataattaa ttaatttgtg tcaaattaac gttgaaagtc ttttctgcat 180
tgtaatgtta tcagtcctgt gtatcagttg agtttgaaat gtgtatttag tttcctgggtg 240
acttagagct gaggtgcttc tggttgtgac aacaggagcc acaactattt gttttgcatt 300
tcagatgtga tccataaaaag ttgtggacaa taactttgat tgatcacaca aactctcggc 360
atthgggtta tctctcgtat cattgttttg ttattgatgt tttcactgaa atttcagcta 420
cacgtttgtg cacatgaata ctgtgtttta ccaaagatct aaggcatttg gtttaattagc 480
ccaaatacca cgagctatgt gtaaagtaat agagaaaagc tttaagatct caatagcatc 540
aactgtgtaa attaaatcaa aataccttcc ctattattta tgaaccaca ggagacttta 600
aactctagta gatggatgct aaatgcctag gccactttaa cttattaatg tgtgaattac 660
atthtatgtt ttagttttata tgcaaagaaa tgtgattatt ttataataaa tttttttatt 720
ataataataa aaaaaaa 737

```

&lt;210&gt; 332

&lt;211&gt; 380

&lt;212&gt; DNA

&lt;213&gt; Rattus norvegicus

&lt;400&gt; 332

```

tgccacgagg aatttgtcca aagggttggg gttttgggtg tcaactggaag gatggcactg 60
atcttcattc cacaatgggt agttactgat gtggatttct tcctcattcc ggagacagca 120
gccctaggac caagaacaac gctgccttgg gtacctttgt cataagtcac ggctctggag 180
cacagccctt gaagactgaa tgaggaattg gggggggggg gcagagatca tgaccattgt 240
gaggaacaac atataatttg caagggtcaac tctaagatgc tgtgttgtat cctggagttt 300
agaccatagc aaagtctctt aatttctgag ccacagcttc ctacttggga tgatgcctgc 360
cttacctacc tcataagctt

```

&lt;210&gt; 333

&lt;211&gt; 514

&lt;212&gt; DNA

&lt;213&gt; Rattus norvegicus

&lt;400&gt; 333

```

agattatatt tggctaagtg ttagaattca caagaagtgc atttttctca gatgtgaaat 60
gtttgcatca attcaccatc gttttgatgt ttgttttaag caagtgttaa gtttgaaaac 120
tgattgctgt tgaaaactga ttgttttgct gggcagtagt agtagcacia gcctttaacc 180
ccagcactcc atagatgtct gagtttgagg ccagcctgct ctacaaaatg agttccacia 240
cagccaggaa aatcctctct aaaaacaaa agaaaaagaa aagaaaagaa aactgattgt 300

```

```

tttatttttaa ttgtagcaat atgtagaaa taactttttt ctttaagtgtt gataatatga 360
aaatttttttg attaatcgta aataactaact tagtggacag aattggtgtt tttgaattat 420
ttgacataca tttctttgtt ttatgatgct ttaaaaatcc aacatgtgaa aatatttgta 480
ttttttaaat aaagctgaca gttaaaaggt tctg 514

```

```

<210> 334
<211> 665
<212> DNA
<213> Rattus norvegicus

```

```

<400> 334
aggcggcacg aggaagctct ccgtgcagcc gatgtggact gtttaactct cgggcagtat 60
atgcagccga ccaagcgcca ccttaagggt gaagagtacg ttactcctga gaagttcaaa 120
tactgggaag aagtaggaaa tgaacttgga tttcactaca ctgcaagtgg ccctttggtg 180
cgatcttcat ataaagcagg tgaatttttc ctgaaaaatc tagtggctaa aagaaaaaca 240
aaagtttcta aagtttagcc aagaccttcc agatcattgg aatgttaaga tttcacttcc 300
ggttggtgtg agagcgggtg catcctgtca ggattcctgt gcatgcaaac cagcacctgg 360
tctgaaatgt ctgatgtctg gtccaggcat aatggcatat acctgtaagt ccaccaggc 420
catcctgact tcctgcggaa gacccgatct caaaaaaaag gaaaagaaag agaaaggaag 480
aaagaaaacc gtctgtaagc tatacacact tagtgatgat aattcatttg actttttacc 540
aacctttgtc ctcatccttg tcagtgatgt gatcatggaa catctttgaa tggtttgctg 600
tggccattgt aatttaaaag tgtattaaca tttagaagat tttataaatc ccagtaaccc 660
atatg 665

```

```

<210> 335
<211> 391
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<221> misc_feature
<222> 16
<223> n = A,T,C or G

```

```

<400> 335
gggtaaatgg gccatncggt tctcaatgcc cggttcctcc ggtcatttga gctggccacg 60
gggagcatct tgcaccaggc ccaccgggac cctgactgaa ctctctcctt gtttttgtct 120
cccggccccg cagaaggtga tgcttccgtc gggagctgcc ttccggtggt ttcagtatt 180
tcagtacgg ccgggaaccc aaagctgccc tctccgtgca atgtcacagc ccgcgtggtc 240
tccggcaagg gattcgggcg aagacaaacg gatgcacccg tctttagaac caaaaatatt 300
ctctcacaga tttcattcct gtttttatat atatataatt tttgttgctg ttttaacatc 360
tccacgtccc tagtataaaa aaaaaaaaaa a 391

```

```

<210> 336
<211> 395
<212> DNA
<213> Rattus norvegicus

```

```

<400> 336
cgcgaggcag aaaatgacag acggacggag gcctgagaag gtgtgcgtaa cgttcccga 60
ggcgtgtgct gctggtgcag acccaggagg cttctggaag aggttgcatg tgagcagaat 120
caggaaggat ctgaggaatc tgcaaattgg aagggtgaca gggcgagggg accggaagg 180
aagttcagtg tactctcatt taagatgtca cctccctgcc acttctcttt ttggccaatg 240
tttttcaact ttcccgaccc attagaaatg tccccgacca gatgcaatca ttcaaactgc 300
ctcactgtca atgggttaaca acttgggaga ttgaagggct tttgttattg ttgttggtac 360
tttttgtttc ccataaaagc acatcatttc aaccc 395

```

```

<210> 337
<211> 306
<212> DNA
<213> Rattus norvegicus

```



<400> 337  
gatagtgggtg cgggtgctggt gtccgatgcc acagaaggac cctgcactat gcataaacca 60  
ggtgtgtttg actttgacaa taaagccaag cacgatgcac ggtaggaaac tgccatggac 120  
ctcaaattcca gtttgagttc atctgaaacc tcgagccagt gaaaggggtg agctgataga 180  
agagcccagt agtctaagga catcctggta acgtctgaag atggcatcac aacgatcaca 240  
ttcaatcggc cctccaaaaa gaacgccata agcttccaga tgtttaacga tattatgctc 300  
gcactt 306

<210> 338  
<211> 589  
<212> DNA  
<213> Rattus norvegicus

<400> 338  
ggcacgaggg ccaggtattg gaagctggtg ccccgcggcc ggggattctc tcagaatgcc 60  
gctgctaagg cgtccacctc gggcaccgag gtgagcgacc tggaggtcgt ggcgacgcct 120  
gtcgcgcggt acccgccgat cgtagcttcc atgaccgccg acagcaaagc ggcgcggcag 180  
cggcgggtgc agcgtggca ggcgaccgtg cacgcggctc cgtcagtggg cgagaagata 240  
cgaatcctca ccaaggtgca gttcaagaaa tacttttctt ttttctgcta ccagttaaat 300  
actttggcac tgactgtaca agctgatcaa aataaccac gtaaaaatat atgttggggg 360  
acacagagta agcctcttta tgagacagta gaagataatg aagtgaagg ctttgatgat 420  
gatgttctcc tgcaaatagt tcactttcta ctaaataaac caaaagaaga cagagcacag 480  
ctgttgacaa accaggagaa agaacttgat ccaagacctt gatgatattt aaatttcgcc 540  
tgaggaataa taaagtcatt taaagattgt gtaaaaaaaa aaaaaaaaaa 589

<210> 339  
<211> 662  
<212> DNA  
<213> Rattus norvegicus

<400> 339  
tcctgataat atagcacttc aaagagagtc aagactcaat tacaaaatac ataaaccata 60  
tgccacggca gactcaaaag cagcaattaa cttcaaatat tagactcata ccccttacta 120  
ttcatgtaca gtactcttaa ggtactatgt aagaaccagt gttctcactg ttcttaatgc 180  
tgctaccctt taatacagtc cctcatgttg tgacccaac cataaaatta cttttattgc 240  
tacttcataa ctaatTTTTT agctatgaat tgtgatataa atattccaac tgtcttaggg 300  
agtccagtta aaggattgtt aaatacttgg ggggggtcat gaccacagg ttgagaaaca 360  
gacttagctc ttaggggtac ctaccatata gagctatact gaattaatat gtaagtaaac 420  
tacttagaaa atgcctgacc tatagtatgt tattaccaa ggcttaagga atcttatgct 480  
caaatagatg tactttgaat tctgtaatgt tgggaggcca tgatggcatt ggattgtcta 540  
ccctaaccaa gaatccataa gaaacttctt gctgacttaa caggatcaaa aaggaatatt 600  
ctgtatatca taactaaaat acatgtcgaa tacaatccta aaaccaccaa aaaaaaaaaa 660  
aa 662

<210> 340  
<211> 693  
<212> DNA  
<213> Rattus norvegicus

<400> 340  
ccgaaccagc ccaggagggg atgggctcaa ctttggaatg aattaccaga atgaaaatag 60  
ggcatagaga ggaccgaaag cgaggcgta agacggttcc ccctttgtag ggaataactc 120  
atcttcttta acgacaaact taatcctaag ggctatttct aagacagaag aatcagcttt 180  
ctttttatgt taaacgtttg gggagcacgg gatatgcaca gcattaaata acacttgctt 240  
caccttagaa agtacttaag gaatgatgga caaataatgg acaggatgag aaccctggca 300  
agtgggtgtc cagaaacgtt ccacaaaaaa cctacatagg cttggcattc ccatgtactt 360  
aggaaattct gtgctatata tatatatatt tttctaataa gttgattctt taccaccctt 420  
taaagaattt tcactctcag taacaacag cattagaggt actttatttt gaagaataga 480  
ctaataattt ttatatTTTA acaatggaca attgtagatg attgtaatga tacgtcagaa 540  
ggaaacagaa acgtagatga gaacacagat gacgcgggga cagttaaatt aataccgaaa 600

taatccaata cagcaccttc gatggctttt atacaaaagt tcaatgtgca tttcactcaa 660  
aataataaat gctcatggct gctgaaactt ctt 693

<210> 341  
<211> 496  
<212> DNA  
<213> Rattus norvegicus

<400> 341  
tgctttactt tcccatctta caggacagag aacagttgat gttccctttc cacttcctgg 60  
accggctaga aaagcacgat gttacctgca cagtctctgg gggagggaga tcagcgcagg 120  
caggagccat acgcttgga atggccaaag ctttatgcag cttcatcact gaggacgagg 180  
ttgagtggat gagacaagcc ggactactta ctccctgatcc acggatcaga gaacggaaga 240  
agccaggcca ggagggtgcc cgaaggaaat ttacctggaa gaagcgctga ggcttcacgg 300  
gagagcgagg agctccgtgt ctttgtgcct ggctcatggg agagcacagt catattcatt 360  
gaccagggga ggcggcattt acacattgtc ttgagtttaa gttatgacat gatttcgttt 420  
ttagtgctat tttgttatga ttacgattga aaataataaa aagaatattg gtttcgttca 480  
aaaaaaaaa aaaaaa 496

<210> 342  
<211> 415  
<212> DNA  
<213> Rattus norvegicus

<220>  
<221> misc\_feature  
<222> 37  
<223> n = A,T,C or G

<400> 342  
actgctgggt catttgactt gtgggggaag gcagggngag gaaaagaacc accgaggttt 60  
ggagagtctg cttttgggga cgtggagaga acctgccgca gtgcctgaag caaaggattg 120  
cagcgtggct agctgtgcag agcgccttcg gtgttaggga agcggagccc cgtagggacc 180  
acgggactgt ggtgtggacc tttgaatagc ttggaggtgg caaataagag ttggaattgt 240  
catatccatg tctttggcgg ataacagaaa cacttggtga aaattttact gcagttctta 300  
caatagtatt ttacaataat gctagttgaa tatgaataag cctctgaata attcaggtta 360  
aatggacact ggatattgtt caccttgtat tcttcaaaaat aaacacttta cacgg 415

<210> 343  
<211> 566  
<212> DNA  
<213> Rattus norvegicus

<400> 343  
cagtatgcac aagctccaga gtggaattgg ccggtctgatt ctgaaggaag aaatgaaggc 60  
acgatcaagc tcctatgcgg atccttggac ccctccgcgg agctcaacca gcagtcggga 120  
ggccctgcac accactggct atgagatgtc cttcaatggc tcccccggtt cacactacct 180  
ggctgacagt gacctctca tctccaagtc tgcctcactg cctgcctaca ggagaaatgg 240  
gctgcacagg acaccagtg ccgacctctt ccactacgac agcatgaacg cagtcaactg 300  
gggcatgcga gagtacaaga tctaccata tgagctgctg ctggtgacca caagaggaag 360  
gaaccggctg ccaaaggatg tggaccgaac tcgcttagag cgccacctgt cccaggagga 420  
gttctaccaa gtcttcggca tgaccatctc agagttcgag aggctagccc tctggaagag 480  
gaatgaactg aagaagcaag cccggctgtt ctaggcggag gctgtataca tatagatgcg 540  
tttatataaa gatgtatgta aatctc 566

<210> 344  
<211> 658  
<212> DNA  
<213> Rattus norvegicus

<400> 344

taatatcgaa	tatgaaaatt	gccaaatccc	cttcgatgag	agttagttca	agaccacagc	60
accagattca	gtttgacgaa	gaagtggaca	gttcgcttag	ccaggagaag	ccagctgatt	120
tcagaaggag	gaaatgtttg	ttcaagggga	aaagactttc	gatttttgat	gttaaggcgt	180
ttgacgacga	agcacctgaa	ccagaagcag	caccttctct	ctgggagata	gaatttgcta	240
agcaattagc	cacagtaagc	gaacagccgt	ttgggaatgg	gtttgaggag	atgatacagt	300
ggacaaagga	ggggaaactg	tgggagttcc	cagttaacaa	tgaagcaggt	cttgacgatg	360
atggctcaga	gttccatgag	catatatatt	tggagaagca	cctggaggat	ttccccaagc	420
aaggaccaat	tcgcctgttc	atggagctgg	tgacctgtgg	cctctcgaaa	aaccatatac	480
tgagcgttag	acagaaggtc	gagcatatag	agtggttcag	aaattatttt	aatgaaaaaa	540
gagatattct	caaagaaaaa	aacattcact	taacatcatg	aggaaaaatt	tttattttaa	600
ctgttgaaaa	tgtatattat	agctaagtaa	aaattttatc	taaaaaaaaa	aaaaaaaaaa	658

<210> 345  
 <211> 270  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 19, 34, 65, 76  
 <223> n = A,T,C or G

ggccaagcca	ctgtggctnc	ccgcatacct	gctngctgga	tgggcttgga	ctgtggctcct	60
gaaancagca	agaagnatgc	tgaggctgtc	actcgggcta	agcagattgt	gtggaatggt	120
cctgtggggg	tatttgaaatg	ggaagctttt	gcccggggaa	ccaaagctct	catggatgag	180
gtggtgaaag	ccacttctag	gggctgcac	accatcatag	gtggtggaga	caactgccact	240
tgctgtgcc	aatggaacac	ggaggataaa				270

<210> 346  
 <211> 411  
 <212> DNA  
 <213> Rattus norvegicus

gtcctacgcc	cgaggaggcgt	gctcgccgtg	ctcagagtcc	tgtggcgcg	agaggtgctc	60
cagcctcagc	ccaagaacaa	ggctgttgaa	tgtgtgcgga	acctaaccga	gcgcatacctg	120
cgggacgcc	gggtctacat	tagcctcctg	cccctggatg	acgggctctc	cttggccttt	180
aagatctagg	gtaacatcat	gcttagggct	tgggtgtgag	aagctaagaa	accagccag	240
tgaccgcagc	tttaaacctg	aaagtaaagg	tactggaaca	cgcgaccttc	tgagcatcca	300
tttccgacgt	tcatttaggc	agtttttcca	gtaaagtggg	ctccctggca	ccaaggctcg	360
tggccctatc	tgaccggata	gtttaataaa	tttcccctgc	tgtacgcatt	g	411

<210> 347  
 <211> 415  
 <212> DNA  
 <213> Rattus norvegicus

ttcggcacga	ggttcagatc	aagatggagg	aaaagaccct	ccttggtaaa	gcaaagaatg	60
aagacaatth	agcagtactt	aacagttcct	aacactggaa	acgtcagcat	aaagaacttg	120
ctttggggaga	aaaataacag	aaaagtaacc	aagtattaca	gcttccactg	ctgaactact	180
gtagaatgca	ttagtgttag	caaggtgatt	gtaatgggat	ttcttgagaa	gcctacactg	240
cttggtttct	aagtttcaga	acacttttag	ccatattcta	ttgcttgtgc	agcctactgt	300
tcttggtcta	aagttttttc	actttacatg	gatcatctca	aatatctcag	aaactggagc	360
atccctgaag	acctacagtt	tatcatctac	cttaaaataa	atacattaca	acctg	415

<210> 348  
 <211> 820  
 <212> DNA  
 <213> Rattus norvegicus

<400> 348  
gcbggtttgaa tatcaccagcag tttgtgcaaa tttgcagacc aaaatccttc agtgtttccg 60  
tcagaacacc ctgcggacc tcagttgctt tgctttggcc aaccaatata tgcattgtgt 120  
caaccatgcc aaacggaaca tgttggagaa gggagggtaa agttaccctg agaacatgag 180  
aagctccttc aacgttaatt ccagagggtg aacatttttt ttttggtagt ctgaaaatga 240  
cccaattaaa ggggaagacca ctaaaaacag acaggcactg gaatgtggac tcaactgaat 300  
cataacgtgt tttgatcaac agtttaaaaa gccacgggtt agatcagtca tcagagaaca 360  
ctgttaagtgt ttaatgaaac taaaaaatga ataaaagaga aagagggtcca cccaccttt 420  
ttgttctctg tttccaactt ctactgacat aaagtgttct cttcactcca ggctccagca 480  
tttagtgact tcaccctgag aaagctggga ggaggacat taaattattt caaaatagag 540  
acagcaagaa agcactgggc tagggcagca gtatcggtg gcctgggctg tgaggctggg 600  
tgtgagcctc ttgcttatga ggagctaatt ccttgtaact tatgatgatc ttccaagaca 660  
gacagacagg agagaaaaatg tacctcttta ctggaataat gtttatgatt gcaggtaaaa 720  
taaggatatt ttgtcaatat aaaggcaacc ttggcttatt caaccaagta gtgaatactg 780  
acaacttcac tcactatcaa taataaatct attttctgac 820

<210> 349  
<211> 752  
<212> DNA  
<213> Rattus norvegicus

<400> 349  
acacctcagt gatcatcctg cgagggtact ctccactgaa agtggagaca agaacatcct 60  
ttgcttctga ccaaattgaga gcatggacc aaggaccctt ctgggcccac agagctcctg 120  
cccacacccc aaaaccaagg gtgctcctgt ctgcagagt ctgtctgctt tcctcctga 180  
ggatgatttc tagaaacttc caagtcagat ctgcccttt aatttactct tggctttcaa 240  
ggcaaattga tattcacatc caaagctggt tgggacggca gcaccaagac ctactgcttg 300  
ggcaggttag gctgagctgg aaccaggat gtgaaataga atttattgtg gctctgatta 360  
tgtacactag atgtgcttga cctgctgacc aggtgacat ggtttgtaca ataaatacat 420  
cctccgggccc tgctttccag tggttggaaa tgcccagggt tctgggggta gggttgtcag 480  
tccagcttcc gggctcccag cttcatgggc cccttgggtg cctttttctc cgccgcttg 540  
gcttccattt ctcttctcct ttctctctgc ttttttcggg ctactctgc ctccacctgc 600  
ctgctttcag cctccaagcc ttcccagttg tcctcaccac aggagtctgg gtctggcctg 660  
ggctgggtgc tgggacgaac agacagggca gcaaagggtg cacccttgct actgggctct 720  
gcaccacccc agttatactc gctggctagc cg 752

<210> 350  
<211> 467  
<212> DNA  
<213> Rattus norvegicus

<400> 350  
tgaaaacagc atcatcctca atggcactgt gatggtcagc ccaacgcgtc tgcccagctc 60  
ctccggcgga gaccgttcag gcagtggtga ctgggtgcgg tacaagctct gcatgtgtgc 120  
agacggcaca ctcttcaaag tacaagtaac aagccacaac atgggctgcc aggtctctga 180  
caacccttgt ggaaacacgc attagaagga gcatccgcag ggctcagcat gtccagatct 240  
aactcgaccc tccccttttg aagaatgcat gtgagccatg tttctacagt ttgcgtaact 300  
tgtaattatt ttaactggga aacaccactg tatctattat gtgctctcca tatttaaggg 360  
gttttgagtg cctaaattct aatacaattt agtaagttgc actgatattc aaaggacagt 420  
tctctaaaat aattatgaga aattaataaa atcaaaatta atctttg 467

<210> 351  
<211> 514  
<212> DNA  
<213> Rattus norvegicus

<400> 351  
ctcagagttg tgagttggga ggtggcctcc ctgacacgtg tgactgacag cctgcggtgt 60  
gctcaagtag ggttaccact acttaaccca tgatgaatct tagtctcttt cacagcgga 120  
ctataaccctt gacgtttcag ggagtgaagt gggctcttaag atctggcttt gaaaagatgt 180

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tttgaataa aaacataatg aaaaattata aatgaaccc cttttggttc atttcagaaa 240
agtttaactc tggttattact ctctagcttc agcagtaatt ttgtttttaa ttgctatagg 300
gtttctggct tgtcacatgc ttgtatttca gttgtgcaga ttgttgggga actattctct 360
actgtcagaa cacactgcc gtcagagctg taaaaggcag aatatgcttt cttggaagga 420
gaagacaaaa tattttgtaa ttttcataat ttttaataat accatttgta taattttttt 480
aataaatacc tactttgaaa aaaaaaaaaa aaaa 514

```

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<210> 352
<211> 676
<212> DNA
<213> Rattus norvegicus

```

```

<400> 352
aatgggtggc atcacttgcc gaagtcttaa aaggttgcag ggacttggtc aatctgttca 60
acctcatccc caaggagtct tggggaactt gagcaggggg acagctgtcc tttccaaagt 120
acaggtgact cctgtagagc caatcagggtg gccaagaaa ccatcagtc agagatggga 180
ctgaccgctg acccgctcca gggtttctct gaaaaggcag gcacctgtag tctacacttg 240
gcaatacttc agcaaaccac atactgtact ggcaaggcca gggccagggc cagggcactg 300
cgctgccaca gggggcagtg gccccgcctc caggtcagtt ctcacacaca caggtgttgg 360
taccaggact gaaaccttca gattctattg ggcataatct cttgttagga atgaaggaca 420
attctcccat ttttgagcca ttcttttgtc aattctacaa aattgcatgt aactttataa 480
atatttttaa aagatatagt tttgtaaata tttaatatc tgctaatttg attttgaatt 540
gtaaatgtca agtattgttt ttgggggttt tatgttttat tatactttgt taaaaggaaa 600
aattgtacat ttttagactg tttttatgag taaatttaat gtacggaaaa taaaaattta 660
aaaaaaaaa aaaaaa 676

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```

<210> 353
<211> 625
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> 11, 15, 17
<223> n = A,T,C or G

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```

<400> 353
ggttggcgta natgngncgt ctctgtgtct ttgcgcctgt gtccgccgcc tgcctgcggc 60
ctttgcgccg ctgccccggc ttccccagtt ggctttggcc cggccgctca gcaccattct 120
ctgcccttag ggaatctgga gaagaaccgg gactctgcag cccaccttgg cgctcgcgca 180
ggtgcctgga acggtcacac atttgtgccg ccagtacagt gatgcacccc cactgacgtt 240
agaaggaatc agggaccgag ttctgtatgt cttgaaactc tatgataaga ttgaccaga 300
aaagctctca gtaaatctc attttatgaa ggacctgggc ttagacagtt tggaccaagt 360
ggaaattatt atggccatgg aagacgaatt tgggtttgaa attcctgata tagatgcaga 420
gaagttaatg tgtccacaag aaattgtaga ttacattgca gataagaagg atgtgtatga 480
ctaaagtatc agagccttct tcctcactgt gaggactcca gaggacacat gatggcatcg 540
tggccaaactg acagcgggtc tgttcgactt gtattttaa tgtctgagtg ttttgcctt 600
taaaaataaa tctattacaa aacta 625

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<210> 354
<211> 529
<212> DNA
<213> Rattus norvegicus

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```

<400> 354
ctgtaaaaaa gcatagagct gttttgttgg ttttaagaata atatacttgg tagtaatgca 60
gaattatttt cttgtatgtc aagtttagtt ttctgttgc ttgcaatggac atgcagggtg 120
ttctcttctt ttcattctca cataatgtct tagcatctca cttcctgaaa agaaaggagg 180
aaacaccagt gggcagcacc atgcttgttg aagcatttgt ttaatgaaca gaaaatcatg 240
gcaatcgggg gtccattcgt ttgttgccct tatgttgttt ttaaaagaca aaccatgatg 300
cctttgtact tgctgtttgc acccctgact caattctgta ctgtgtctga atgccatacg 360

```

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tttgcaacttg taccatacat aggcgatgca gactgtatatt ttatatgtgt gtgcatttat 420
cattggatct tttgtacata gtggcagtat tgtagctgat cgggaaatgt ttgatatcag 480
caattttgca tttttgtgtc tcaaataaaa aacattttga tgtaccatg 529

```

```

<210> 355
<211> 556
<212> DNA
<213> Rattus norvegicus

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```

<400> 355
aaagcaagca gctagacacg caaagcaacc tgactgaagg cttgggaggt catcgtttct 60
aggagctgga ttacgcctca cggtacctcc tatgctcctg tgaaacctac agtgagtctg 120
gccttgcgct ctttgctcgc gctcgggctt gaataccaca gagaagggaag gaagcacaga 180
agtctgtagt acacggctgc tctaggggac gcctgtgagt gagccccaca ttacctggag 240
ggagtcttcc cccaccccaa cgtcttcatg atgcttgtag tcacgtagga taagatacgt 300
tcattcagtg ctgagtcaga tgtagggagt cagctctgtg gtcttccctg ctgaccacag 360
atgggtggtc agaggagatt tgggaaactc aaccactgga gcacaaaact acagggcagt 420
ttcctgcccg ctgtcatggg agacgcggac gggcactttg tttcttcttg ggatgaaatg 480
gatttatggg agcagtttaa acaaagcata ggccaaaata aaactaaatg ctgtttaata 540
gaaaaaaaaa aaaaaa 556

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<210> 356
<211> 425
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> 55
<223> n = A,T,C or G

```

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<400> 356
ttatttctcaa gtgagctgtt ctgtgggctc agagcatctt tctagctacc cctcntgccc 60
tccatgcgcc ttgtatgaga gtcacacaga ctctctcttc ccaagtacac tcagtaccta 120
ccttccattc tgtctccctg cccttccaga gtgttcttcc ttactcttta cacgtgtgtg 180
ggaccctctg aggttcccag acaaatgcat gcttctgccc gagacttccc tgagcccatc 240
tgccaagcgg ctttccaact cctctctctc ggacttaatt tatgaccaga tcttaattaa 300
aaatatctac gtgtttaaaa aaaagttagt gtttcttcta ggctagctta ttggctagat 360
gttgagagac agagataagt gaaaacgcat gggctctatg ccatcatgaa ttatttttaa 420
atctc 425

```

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<210> 357
<211> 751
<212> DNA
<213> Rattus norvegicus

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<400> 357
caaaaggaat tttctccaag tatctgttca gtttaattccc tacctgcagg agctcctatt 60
tccccttcca taactgcaca caacggggccg tttggagact tccgttaagc acaattgcc 120
accctggtaa ctggtcggaa aattcaaaaag agtttgctct gccagcatg gaccggggag 180
tcaggaatgt accaccgtgt tctgtggaac ccatcccatc tctctctga agcaaaagga 240
aactttcagg cactgacctg gcttacgtgg ctattataaa actcccctgt taatgaaagc 300
agagggcagt tctaaatgga agcagctacc aggtctctgc agtctcccc atctctaaag 360
ttccattcta ctactcatt gcacacgcag ctcttgctaa ggatcagatg cagttaccca 420
gtagcccggt ctgcctatac caccaagctc aatccctgca gaaggattta gtttgattaa 480
tttatactct tgggtgacat ttctccttgg agggagaagg aggaaggaaa aaagacagct 540
tcctctaaca tcgtgaagag aggcaagggg tgtgtttaag ccatttacca cattaccag 600
gggaatgttt gttctaagct tgggttttac atagtctgt aacagcttta tgggcatgg 660
acttggagca tgggtccagt tgaacattct cttaaagtctg gtgggcctgg tctctgccaa 720
acatgaaaca ccagaacatg ggtttcacat g 751

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<210> 358  
 <211> 266  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 107, 108, 208  
 <223> n = A,T,C or G

<400> 358  
 gcccattggag ctattctgct ggtctggggg ctggggattg ccgtcgggtg acctggatag 60  
 tctggccgtg ctgacctata ccagatttac atgtgctcca ctgaagnnac acaagatcag 120  
 caatccttgg cagagccctt cagggactct gcctgctctt cgaaccagta gtggaaaagt 180  
 catcacagaa ccacacaaga tcatcacnca ccttcgtaaa gagaagtata atgctgacta 240  
 cgatctgtca gctcgacaag gagcag 266

<210> 359  
 <211> 1270  
 <212> DNA  
 <213> Rattus norvegicus

<400> 359  
 aagctctttt ttaaactggg taagcaataa gaggtttaata aagtgtttca gctggggatt 60  
 tatcgtaggt gtgtttaatt atataaatgt tctttataga ccccatggca gtactgaggt 120  
 tgcaaaacag agctgttctg atgaaggtaa ggtctggcat tggtatagag ttttcttcaa 180  
 cataaaagac ttctgtggta ctgtttatct aagacttccc agctaatagag ttatttagtg 240  
 ttttctcgag tacaacaccc agggacttga accctgggtac ctttgtgatc cgaacttcaa 300  
 ctcccaccta ctggatagtg tgtcacactt tgtttttttt ttgcagtaga cagcctcgaa 360  
 agacgggttt gtttgcattg aaagcattca catgtatcca ttctgaacag cagtcttgat 420  
 atttattagg tcctacacat aagaccaaac ccagttaaaa ccgtttctga atctcagttt 480  
 atttgcctca tacctctcgc tggaaatttc agtttttttc tttgcatttt tatgtaattc 540  
 tgccattggg gtgtgttaga atcatttgcg ccttttttgg ttaatggaac cttaaaaata 600  
 tggctgtaaa taaaaatgtg ccctgtagtt ttgtttgttg cttgaatagt ttctgcggat 660  
 tgtgtctgct ttttccttaa ggaatttttt gtgtagatta tactcttaca agtaggataa 720  
 attatgaagt ttttgagttg tttgggtttg taataacatt tcaacgtaga tcttatttgc 780  
 cgacgctact ttcgaaccgc aggacatgca ctcgctatag tgatatgtac gtttttttct 840  
 gatgctataa tatatgatat tgtcaagata tgcttaataa tttccataag actgagtttt 900  
 atttacaaaa cataagacca gataatttgt aaaccagtggt tactaagatg tatcagtaat 960  
 taaaatacaa cctaggagct ttgggttggg gtctgggtgt gctttgtttg aagggataga 1020  
 aagtgtcttt tcggtacttt cattaaactt ttgaaatggt tgtatacttc gtgtgtgagc 1080  
 cattttgaag tttatgcaag ttctaagcaa taacctgcat gttctacctg gacagcacc 1140  
 ttcgtcagtc tccttcagta ttcagagtga cacaaatgac tattgtgtaa ctcccctctc 1200  
 ccagtggaca ccttgggagt ctccctgtta aaacactact gtaatgtggg gcaaaacttt 1260  
 gtattttgtg 1270

<210> 360  
 <211> 507  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 75, 108  
 <223> n = A,T,C or G

<400> 360  
 acccatctct tgcttctgtg acagggatag ccctcctgga aattgatgca gtcttgtttg 60  
 tgtcctccag aaggnaggtg gcaagggcaa agatgttctt cccgttcnag tgatgagcag 120  
 tcgtgagcgg ggtgggtggg tcagggtaga ggtctccaac cagtgcgctt tgctcagcct 180  
 gctcggagtt cctaaagtct gctcaggact ggacagggtt tgggcattat aacaatttag 240

ttcggggctg	gagagatggc	tcagcgggta	agagcactga	ctgctctccc	agaggctcctg	300
actgcaattc	ccagcaacca	catagtggct	cacaaccatc	tgtaatgagg	tctgatgccc	360
tcttctggtg	tgtctgaaga	cagctacagt	gtactcatat	aaataaaaata	aataaatctt	420
taaaaaattt	taattcatcc	ctttgactac	cctctcctat	gggcacctct	gagtgaagaa	480
ataaagtttc	atagtttcat	agatatg				507

<210> 361  
 <211> 853  
 <212> DNA  
 <213> *Rattus norvegicus*

<400> 361						
cctccagaga	ggggctgcgc	tacgccgaat	acctgcctcc	ttctgcccac	aggccggacg	60
ccgacatcga	ccacacagcg	ggaagaaggc	tgctggctgt	aggactaggt	gtcgcagctg	120
ttgcatttgc	aggtcgctat	gcatttcaaa	tctggaaacc	tctagaacaa	gtactcactg	180
caacagcaag	gaagatttcc	tctccaagct	tttcatccta	ctataaagga	ggattcgagc	240
agaaaatgag	taggcgagaa	gccagtctca	ttttaggagt	aagcccatct	gctggcaagg	300
ccaagattag	aacagcacac	aagagaatta	tgattttaaa	ccatcccgc	aaagggtgat	360
ctccttactt	agcatccaaa	ataaatgaag	caaaaagattt	gctcgaagca	tccagcaaa	420
ctaactgatg	ctgaaggact	gtgccagggg	aaatgaaacg	caagacttta	aaggctcctc	480
agaagaatgt	gggacgtggg	cttgtctgac	caagctctgt	ctctgtcact	aagcgtgcag	540
caataaaaagc	cttgcagcct	tcctctggaa	gtttcctctg	aaagggactt	cacaccttct	600
gtacccagtg	cttttccaca	tcatttcata	tgtaagggtg	tcctgtgaa	gactgtggtg	660
atgttagtct	atccctcttt	ttgcccttaa	cacacacaca	gaaaagtctg	agcgtcatga	720
cggcagtggtg	atttctcctg	ggcagagtta	aagtgtcctc	tcaatgcttc	cacactgtct	780
cttgctttac	aagaatttgg	gactctgcca	atgccaaaggc	ctttaaatgt	tttgagatta	840
aacagtgact	act					853

<210> 362  
 <211> 578  
 <212> DNA  
 <213> *Rattus norvegicus*

<400> 362						
cggcagtgct	ggctcggccc	tatcggttcta	ctcaagcgta	ctgtggcggt	gggctcgcgc	60
tgggatgagc	ccgcggtgcc	gagccgcgaa	gtggagtcac	ggccagtaca	gtggtagcag	120
tcggattgac	cattgctgct	gcaggatttg	caggccgtta	tgttttaca	gccatgaagc	180
atgtggagcc	tcaagtaaaa	caagtttttc	agagtctacc	aaaatctgcc	ttcagtgggtg	240
ggtactatag	agggtgggtt	gaacccaaaa	tgacaaaacg	ggaagcagca	ttaatactag	300
gtgtaaaagcc	tactgccaat	aaagggaaga	tcagggatgc	tcctcgacgg	attatgtctt	360
taaacacccc	agacaaggga	ggatctcctt	atatagcagc	caaaatcaat	gaagctaaag	420
acttactaga	aggacaagct	aaaaaataaa	gtaatctgat	gaattttaag	tccattagtc	480
tacttatgag	catgttttta	aataaaatgc	ctcagagctg	taactcatga	tgtaactcat	540
gaaaatttct	tggcaaaagc	taaaaaaaaa	aaaaaaaaa			578

<210> 363  
 <211> 977  
 <212> DNA  
 <213> *Rattus norvegicus*

<400> 363						
gttactgtaa	atatcattta	cacctgttga	gaattaacag	caaattgggg	ctactttatt	60
gttgccaatt	attagtcagc	tgacttacca	tagcaaaaata	cctgagacaa	tcaacttaaa	120
aagaggaagg	gctggagaaa	gggttaatct	tgggttgagc	tttgagggt	tcaacccttg	180
gtcagacctg	ttgttttata	aggcagcaca	tcacttgggg	agttcatggg	agagctgcaa	240
gcaaggaaa	aagggtgggtg	acttgagggtc	ctgagggtctc	ttaagggtca	cctccctgtc	300
cccgtgac	taagacttca	cactgggtccc	cacctttaaa	ggtgtctgcc	tgcaatagtg	360
ccatcctgag	acctagcttc	taactcgag	gtgcttaggg	acattgtact	ctgtggtatg	420
cgctctctg	cccgtgtgtg	gcttgttcgt	gtgtgacagt	cactctggcc	tgctgtgtta	480
gtgtcccaca	gcgggggact	ctgccgggccc	acttcagggt	ttccttttag	gaagataatt	540
tggtcacttg	tgtctgtggc	cactcttaga	actttctctt	ttgggggaac	ctgtggctgg	600



ttgacttctg	gattcgatgg	agagagatga	tattaaagac	tgtggcaaca	aacaccctgc	660
agaagcactg	gaaccagaga	ctgtcagcac	agtagggaca	atgtcttttc	tagtagctgt	720
ggcagatttg	agttcctgta	at ttatacaa	attgttttaga	atggttttta	agacttagaa	780
gggaaatata	cttacagcac	aagactttta	taattatact	ttaaattatg	ctttatgtgg	840
gacaggaaaa	atgtattttt	acattgctta	tatcagatca	cttttgtatt	tgttgattta	900
aagcctgtgg	gtcttttttt	atcactctta	atatcaactt	ttataatctt	ttaaaataaa	960
tcctcttaat	tccagtg					977

<210> 364

<211> 271

<212> DNA

<213> Rattus norvegicus

<400> 364

ccaaaaacca	aaaaaaaaaat	ttgatgctat	aaaatggtaa	aaatgttttg	gtttgtttct	60
actgacctga	atgtgttgga	tcttcacgtg	ttgttttggt	ttggctttat	tgatgcacgg	120
atgcttttga	acagtagagc	gaaatgctag	acatggagaa	cttgctctgt	ttgtccttta	180
tacatttctg	tagttaacag	aacactgtaa	tgtgccttgg	agcttagtaa	cttgaataaa	240
attcaattga	tattaaaaaa	aaaaaaaaaaa	a			271

<210> 365

<211> 503

<212> DNA

<213> Rattus norvegicus

<400> 365

ggggaatctc	gatttgtatg	ggtttatatc	tgaatttttt	taggaagagc	tttatggcag	60
aaaaattggc	agtggggaaa	taccctggca	ctgatgaact	gtgagccttc	tcacagtttg	120
acttagagct	gaaaaaaagt	cctatggagg	attcacataa	tccaccttct	tagattgtcc	180
ctctgcccta	tactgtgact	tacttaaatg	tcaaattgaa	aatacggctc	caaggtagaa	240
caggaagcgt	gagaatccaa	agggcttttag	tcatatagga	acctagtcca	tgaacattat	300
tcttatcacc	agacagccac	aggaagaagt	taacttactt	cgtatatcag	gatacaaaac	360
attcacagat	gtgcctaaag	aaataacgac	ttaggccagt	ttaaaactaa	caacagattc	420
aggtagaggt	gcatgcctga	atgttagtca	taaattccat	taactgcatt	cttttgggtca	480
cggaaataaa	agctcgccag	atc				503

<210> 366

<211> 155

<212> DNA

<213> Rattus norvegicus

<400> 366

aatgatccga	agatcatgaa	gaagagagat	ccatgtggag	cagaaaccag	tttccacccc	60
agcccaactt	ttatcattca	agcagtggag	aggtttcagc	agagatgcat	tgatgatggg	120
atgacagtgt	ggtttcttaa	aaaaaaaaaaa	aaaaa			155

<210> 367

<211> 377

<212> DNA

<213> Rattus norvegicus

<400> 367

cggcccagag	tccggacgca	atgcccgggg	gtttttccac	tgtgtcccga	agtgcttgga	60
agaccttttc	gatgctcttg	aaggcaaagc	cctcaaaact	tagcttccta	gtcgtgaaa	120
agcccccttt	tttctctcatg	aacctggatg	ttcatgtagc	ttgaagggtc	catcttgtgc	180
ccaacaaaaac	ttatcccaag	gtgcttccac	agcccgttct	gccggctgag	cttgaagggc	240
ccaactgaag	gttgtgggag	gtcgcagctt	taaagccctc	tttgttccgg	ggattggggt	300
tggaaaaacta	actccgctgt	at ttattgtt	taaattgaaa	ttaaacctgg	tgttgctttg	360
aaaaaaaaaaa	aaaaaaaaa					377

<210> 368

<211> 260  
 <212> DNA  
 <213> *Rattus norvegicus*

<400> 368  
 tgaccaaaga atcaaaaagcc ctgatggggc tttataatgg ccaggtcctg tgcaagaaaa 60  
 ataaatttgg agcgccacag aagactgttc agcagctagc catccttggc gcagggctga 120  
 tgggggctgg cattgcccag gtctctgtgg acaagggact gaaaactctt cttaaagaca 180  
 ctacagtac aggctggccg gggacagcaa caagtgttca aaggactgaa tgacaaggta 240  
 aagaagaagg cctcacatcc 260

<210> 369  
 <211> 326  
 <212> DNA  
 <213> *Rattus norvegicus*

<400> 369  
 cgcaaaggct gctgggtcaat gtatttttcca ctgagaagcg gtgctggcgc ttaggacgag 60  
 cggaggcagg cgcgcgcgcg gcaggcctgg agggggcgcg tccgtgtggg cctcagtgcc 120  
 acccgccagg cctgagaaga ggcgagggag gtcacaacga gaagggtgtag ccgctgtagc 180  
 cgcgcccgc cctctctgca actgggaacg ttgagaacaa ccatgtccta ctgccggcag 240  
 gaagggaagg atcggtatcat atttgtgacc aaagaagacc atgaaactcc tagcagtgtc 300  
 gagctgggtg ctgatgacct caatga 326

<210> 370  
 <211> 295  
 <212> DNA  
 <213> *Rattus norvegicus*

<400> 370  
 gcgcttcgtg cgcgaggtac agccatggca gccgctgtcg agggcgcccc caggaaagag 60  
 cgcattctct gcctgtttga cgtggacggg accctcacgc cagctcgcca gaaaattgat 120  
 cctgaggtat cagccttcct gcagaagcta cgaagcaggg tgcagatcgg cgtggtgggt 180  
 ggatctgact actccaagat cgctgagcag ctgggtgatg gggatgaagt catgagaagt 240  
 ttgactatgt gtttgctgag aacgggacat gcagtataag cacggacggc tactc 295

<210> 371  
 <211> 394  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <221> misc\_feature  
 <222> 114, 126  
 <223> n = A,T,C or G

<400> 371  
 gcgtcaccgg ccacccaac ccagcgcgc gacccttct ctctgcagct cggggacact 60  
 cagaggtgcc agcagcgggt tcggcagcgt caccctggct tgccccctgc gcancctgag 120  
 ccaganggcc cctctgagtc cccgaataac aaggccgtcc tgatcaacgc ttgtgagcgg 180  
 ggctgtcggc ttttctccat ctgccgttcc gtggccagga gctctaggcc caatgccaca 240  
 gagacagaat gtgaagcagc ctgcaccgag gcttacgtga aggcaaagga gcagcaggcc 300  
 tgcaagtgaag ggtgttgggg ccagatccct gaacctgaga cccagctgga gcagaaggaa 360  
 ttggcttttg acccacctag tgggagcctc tccc 394

<210> 372  
 <211> 243  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>

<221> misc\_feature  
 <222> 132  
 <223> n = A,T,C or G

<400> 372  
 aaattagcag gcaagatacc taaactttca tcccttattt tgctagctcc tggaaatgaaa 60  
 accatgccag gttggctcctg gaggcattgg agtgaagaaa aataaacctt tgtctttatt 120  
 cccttgattc tngaagagaa gctcaataaa cagaaatcag gtacttgcag ggttctgagt 180  
 aggtttttca gggaagtctt tagggagaag agtctggttc tatttttgca tatgtaaaat 240  
 gag 243

<210> 373  
 <211> 285  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 44, 157, 174, 185, 192, 194, 195, 196, 197, 272  
 <223> n = A,T,C or G

<400> 373  
 gaacaatgag agttactggc tccagaccca tggaggtctc cttnttgtcg ccttagtttc 60  
 tcttaggaaa ctagaaaaag aaaggccttc tctgttcatt gtgttgattt tgtgtatctt 120  
 gtgtattcat gcagttcggg ttccagaaaa ctacacantgg ccccaaaagg aaantcctaa 180  
 ttcanactgt antnnnncca aatgatgaga gaggaggacc atggtggagc ctttgagtaa 240  
 ggttacaaac tgaaggagac actgtctgtg tngtaatcca tctact 285

<210> 374  
 <211> 300  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 292  
 <223> n = A,T,C or G

<400> 374  
 cccggctggg ccagagcaaa ggaaaggacg ctgtaggttg gggagcatgt ctagcttctc 60  
 aaaggcgccc cagcaatggg ccacttttgc tcgaatgtgg tatctcttgg atggcaaaat 120  
 gcagccccct ggcaaaacttg cggccatagc atccaataaa cttcaggggt tacataaacc 180  
 agtgtaccat cagctgagtg attgtggaga ccatgttgtc ataataaaca caagacatat 240  
 tgcattttct tggaaacaaa tgggaacaaa aagtgtactt cctcacatac tngtacctcg 300

<210> 375  
 <211> 389  
 <212> DNA  
 <213> Rattus norvegicus

<400> 375  
 agcgtggtcg cggccgaggt acaggaaaaa ggtcatgtat ctgctggatc taatcagacc 60  
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 cttggttggt ccagagtggg gggaatttgt ggaacgcatg agaaatgtct ctttttgacc 180  
 tcagagctgg ggtttgatgc tgcagtcaat tacaaaaacag ggaacgttgc agaacagctt 240  
 cgagaagcgt gcccgacg agtggatggt tactttgaca atggtggagg tgacatcagc 300  
 aatgcggtga taagtcagat gaatcagaac agccacatca ttctgtgttg gtcagatttc 360  
 tcagtacctg cccgggcggg ccgcttcga 389

<210> 376

<211> 722  
 <212> DNA  
 <213> Rattus norvegicus

<400> 376  
 tcgagcggcg cccgggcagg tactacactc ggataaccat gaaaaggatg gcacaacttc 60  
 tggatctctc tgtagatgag tcagaggcct tcctctcgaa tctagtcgtt aacaagacca 120  
 tctttgctaa agtggacagg ttggctgggg tcatcaactt ccagagaccc aaggatccaa 180  
 ataacttatt aaatgactgg tctcagaaac tgaattcact gatgtctctg gtgaacaaaa 240  
 cgacacacct catagccaaa gaggagatga tacataatct acagtgaggg tctggatgct 300  
 tctagaagac acaaaattgg aggtcattaa aaaagaaaaga ctgttttcgt ggtgtatatg 360  
 ttgttttttc ttactatcca atcttttttc taaaatttta agatagtaaa tgtgtttaag 420  
 cacctctgcc ttttccactc cttggtttca tgttaacgct gcaaaacatt ttcccagtct 480  
 gaagacggaa aggtttgtgt cccagccttc cttcgagtgt attggtacca tttgtttcta 540  
 ttcatctgac cactacatga caataatgaa aacaggacat gtgtgttagc tcctgaagtt 600  
 gcctcttctt ggagagctgg tgattaacaa gtggttataa ataatcgtgt cataaagtta 660  
 ttgatgactt actagaatta aaaacaaaac atagaccatg caaggaaaaa aaaaaaaaaa 720  
 aa 722

<210> 377  
 <211> 372  
 <212> DNA  
 <213> Rattus norvegicus

<400> 377  
 agcgtggtcg cgcccgaggt acaaggaatg ctgcatgcc a cctccactta gcctggcaga 60  
 aacctctgct gtgctgctcg cagcctctgt tcttaggagc gccaaagcagc ccccgctcat 120  
 catcgggaaa ggcgctgctt attcccatgc agaggacagc atccggaagc tgggtggagct 180  
 gtgcaatctg ccattttttac ctactcccat ggggaagggt gtcgtccctg acaaccaccc 240  
 aaactgtgtg ggtgcagcca gatccagggc ctttgcagtt tgctgatgtg attgtgttat 300  
 ttggtgcgag actcaacgtg gatattacat tttggacgtg ccgccaaggt acctgcccgg 360  
 gcggccgctc ga 372

<210> 378  
 <211> 460  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 19, 70, 393, 395, 408, 454, 459  
 <223> n = A,T,C or G

<400> 378  
 gccggcgag gcagcgaana atgggccttg aggttgctga gacttgtccc ggcgtcggcg 60  
 tccgcgcgcn gcctcgcggc cggagcccag cgcgtgggac gaattcatac cagtgtgcac 120  
 tgcaagctga ggtacgggct tttggcttcc attctcggtg ataagacaac caaaaagctg 180  
 catgagtaca gccgagtgat aacagtagat ggcaacatat gctctgggaa aaacaagctc 240  
 gcaagggaca tcgcagagca gctaggcatg aagcactatc cggaagcagg gatacagtag 300  
 tcaagcagca ccacgggtga cggaaggccc ctcgacatag agtttagtgg cagctgtagt 360  
 ttagaggaaa ttttatggac aatcccaaaa gcnangcagg caacactnac cgcctacagt 420  
 cctggctttc tgccagccgc ctctgcatat tcantgccng 460

<210> 379  
 <211> 678  
 <212> DNA  
 <213> Rattus norvegicus

<400> 379  
 tcgagcggcg cccgggcagg tacagaggca ccactgatca tcagacctga ttctggaaat 60  
 ccgctcgaca ctgtcctgaa ggtcttagat atattaggca agaagttccc tgtctctgag 120

```

aactccaaag gctacaagtt gctgccaccc taccttagag tcattcaagg ggacggagtg 180
gatatcaata ctctacagga gattgtcgag ggaatgaaac agaaaaagtg gagtattgag 240
aatgtctcct ttggttcttg tggcgctttg ctacagaagt taaccagaga cctcttgaat 300
tgctccttca agtgcagcta tgttgtaacc aatggccttg gggttaatgt ctttaaggac 360
ccagttgctg atcccaacaa aaggtcgaaa aagggccggc tgtctttaca taggacacca 420
gcagggacct ttgtcacctt tgaagaagga aaaggagacc ttgaagaata tggccatgat 480
cttctccatt acggcctttt aagaatggga aggtgacaaa aaagctactc gtttgacgaa 540
gtcagaaaaa aatgcacagc tgaacatgga gcaggatgtt ggcgcctcac taggctttgt 600
gttgagtggg tggttgtgtg tgcaggtgtg tgggtgcatac gtgcgcgcat gtttgcgctg 660
tgggtgtgtac tggcggaa 678

```

<210> 380

<211> 242

<212> DNA

<213> Rattus norvegicus

<400> 380

```

agcgtggtcg cggccgaggt gaaggaggcc gcctccatcc tgcaggagtt acagggtggaa 60
acctatgggt ctatggagaa gaaggagcgg gtggagttaa ttctggagca gatgaggctc 120
tgcctagccg tgaaggatta cattcgcaca cagatcatca gcaaaaaaat taacacccaa 180
ttcttcagg aagaaaacac agagaaatta aagttgaagt acctgcccg ggcggccgctc 240
ga 242

```

<210> 381

<211> 629

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<222> 544, 548, 559, 572, 578, 597, 600, 602, 606, 611, 614, 617

<223> n = A,T,C or G

<400> 381

```

gagcagatgc tgtgggactg gaagaaaaaa tcaagcagca tttagaaaat gaccctggaa 60
gcaatgagga cacagacatt cccaagggct atatggattt aatgcctttt attaacaaag 120
ctggctgcga atgtctcaat gaaagtgatg agcacggctt tgacaactgc ttacgaaaag 180
acctgtcctt cttggagtct gactgcgacg agcagctgct tattactgtg gcattcaatc 240
aaccagttaa actttattcc atgaagtttc aaggaccaga taatggtcag ggtcctaaat 300
atgtaaaaat ttttatcaac ctaccccgat ctatggactt tgaggaggca gaaaggagtg 360
agccaaccca agctgctgga actgacagaa gatgacatta aagaagatgg cattgttcct 420
cttcgttatg ttaaatttca gaatgtgaac agtgtaactt tgtttgttca gtctaataca 480
ggagaagaag aaacaacaag aatttcctat tttactttca ttggtactcc cgtccaggca 540
acanatanga atgacttcna acgagtgatt gngcaaanaa ggggaaagcc ataggtncgn 600
antacnctg nggnctnctg cagtcagtt 629

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<210> 382

<211> 259

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<222> 36, 152

<223> n = A,T,C or G

<400> 382

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ggacaagggt tggctcttga gcgttccatc tacagnact ttgtcttcct ggaggcaatg 60
tacaaccagg gcttcatccg aaagcagtgt gtggaccact ataatgaaat taagcggctt 120
actcttcagg agtacctgcc accacatgca gncatctata tcgatgtgcc tgtgtcagaa 180

```

atacagagca	ggatccagaa	gaaaggagat	ccacatgaaa	tgaaggtcac	ctctgcctat	240
ctccaagaca	tcgaggatg					259

<210> 383  
 <211> 654  
 <212> DNA  
 <213> Rattus norvegicus

<400> 383						
tcgagcggcc	gcccgggcag	gtacagccaa	agcgcagggc	ctgtatgaga	caatcaatgt	60
gacgatccct	gctgggattc	agacagacca	gaagattcgc	ttgactggga	aaggcatccc	120
ccgtattaat	agctatggct	atggtgacca	ctacattcac	attaagatca	gagttccaaa	180
gaggctaagc	agtaggcagc	agaacctgat	cctgagctat	gctgaggatg	agaccgatgt	240
ggaggggaca	gtgaatggag	tcacccacac	aagcactgga	aaacgggtcaa	ctggaaacta	300
gatggagcag	cagtcctctc	ccgtgaccag	ggcatgagac	acgggaggat	cccagaacag	360
cagcactgag	cccctgctta	cagatccctc	tgaacagccc	agcaacagca	agcctatgtg	420
acgacttctc	tgcataaaaag	gttacgggtg	cctaggcagt	gacgcacggc	cctcaggcct	480
ggacaccgag	acaggtggga	agtgcctgtc	cactgatagg	tgactgctgc	ttctggttca	540
ggcaggaaaa	cacttggaact	cttcttgca	cactaagata	tctggaatcg	catgtcgtag	600
agagctgaag	attaaaccgt	gctacagaaa	aaaaaaaaaca	aaaaaaaaaac	cccg	654

<210> 384  
 <211> 684  
 <212> DNA  
 <213> Rattus norvegicus

<400> 384						
tcgagcggcc	cccgggcagg	tctgaagggtg	agccgggcgc	tatggcggttc	tgtgctcccc	60
cggcctactt	aaccacccgg	cagaagggtgc	tgccggctgta	taagcgcgcg	ctgcgccacc	120
tcgagtcatt	gtgtgtccac	agggacaaat	accgggtacct	tgcttgcttg	atgagagccc	180
ggtttgaaga	acataagaat	gagaaggaca	tgatgaaggc	caccagctg	ctgaggcagg	240
cggaagaaga	attctggcaa	aaccagcatc	ctcagccgta	tatcttccca	gactctcctg	300
gggttacttc	ctatgagaga	tacgagtgtc	acaagggttc	agaatgggtgc	ttagattact	360
ggcatccttc	tgagaaagca	gtgtatcctg	attacttttc	caagagagag	cagtgggaaga	420
aactgaggat	ggagagctgg	gatcgggagg	ttaaacagct	ggaggaagaa	acgtcacctg	480
atggtattat	gactgaagct	ttgcctcctg	ccagaaagga	aggcgacttg	ccccattgt	540
ggtggcatat	tgtgaccaga	cctcgggaac	ggccacacata	gagacaggca	ccgcaactgt	600
catgcttgca	agtgaaggtt	acagaacaca	ttcacacttg	ccctaataaa	agtaactaga	660
gacagtcaaa	aaaaaaaaaa	aaaa				684

<210> 385  
 <211> 696  
 <212> DNA  
 <213> Rattus norvegicus

<400> 385						
tcgagcggcg	cccgggcagg	tccttattca	ggaaagtgat	agaggagcag	atggagccag	60
cgctcgaaaa	gttaagcatc	atgtctgaga	ggttggccaa	tcagtttgca	ctttacaaac	120
ccgtcactga	tctcttcctt	cagcttggtg	attcaggcaa	ggtggatgag	gccagagccc	180
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aggacgtctc	agaaacccaa	aaaggccccg	gttctgaaga	ccttgttaga	gctgattccc	300
gagttacgtg	agaatgacag	agtatactcc	tgacgcatga	aaagctatgt	cgcagacaaa	360
gacgtggcct	ccgctaaagc	gctgtatgag	catttgacag	caaagaacat	gaagctggac	420
gacctctttc	tgaagcgcta	cgcactcttg	ctcaaggatg	tgggcgagcc	ggcccccttc	480
actgagcccc	ctgaaagctt	tggtttttac	ataaagcaac	taaaggaagc	gagagaaaac	540
ccctcatgaa	agaagcagct	gtgtgtgtct	gtgtgtgtct	gtgtgtctgt	gtgtctgtgt	600
ctgtgtgcac	gcgcctgtgt	ctcaatgtta	tttctaaaat	gtacttagga	aaaataaaca	660
actgaagatt	ataaaaaaaaa	aaaatgtacg	acaaca			696

<210> 386  
 <211> 565

<212> DNA

<213> *Rattus norvegicus*

<400> 386

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agcgtggtcg cgcccgaggt gttcactgaa ctgcgaaggt catgctgccc aacaccggga 60
agctagcggg atgcacagtc tttatcacag gggcgagccg aggcacgccc aaagctattg 120
ccctgaaagc agcaaaggat ggagccaaca tcgtcattgc tgcaaagacc acccaaaggc 180
acccgaaact ccttggcact atctacacgg ctgccgaaga aattgaagca gctggaggga 240
aggccttgcc atgtgttggt gacgtgaggg acgagcagca aatcaacagt gcagtggaga 300
aagctgtgga gagatttgga ggaattgata ttttggtgaa caatgccagt gctattagcc 360
tgaccaacac attggaaact ccgacaaaaga gagtggactt gatgatgagc gtgaacacca 420
ggggcaccta ccttacatcc aaagcatgta ttcccttttt aaaaaagagc aaagtagctc 480
acattctcaa tctcagccca cccttgaacc tgaatcccat gtggttcaaa cagcactgoc 540
cgtacctgcc cgggcgggcc ctcga                                     565
```

<210> 387

<211> 821

<212> DNA

<213> *Rattus norvegicus*

<400> 387

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atgaggaaga ggtagccaga gccatgtcac ctgatgcagg attgtcttgc tggcaaggaa 180
gctttgtctc ccagaggaac ctctatatta tgtaacatac agcgtggact gcataccctg 240
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ctaccatgag tccaaaggat cagcgcaggc agaaccagtg gagaacaggc acccagaagc 360
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tccataatgc tctcattggt tcaactcgtg tgctcgctg ctcatagtca gcataggcgt 540
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caggtctgca tctcattccc acagcagctg ctgctttgag ggctggaaga gaaaacttac 660
tgtttgacaa taactgttgg ctcagtcccc acctttttat tttaatagct aagtgatttg 720
gtttggtaga ccaaattgaa atgaaaatat ttatcatgac tataatctgg tactttttat 780
gtaccaggtt acacagtgta tgaaataaaa gatgtcagtc t                                     821
```

<210> 388

<211> 961

<212> DNA

<213> *Rattus norvegicus*

<400> 388

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ggctctcgcc agagtcggcc tgcagtttca ggcctgccga gaggcacaga cagctgctgc 120
tgcagctccc agaatcaaaa ccttcgccat ttaccgatgg gaccgggaca aggctggaga 180
taaacctcga atgcagacat acaagggtgga tctgaataag tgtggaccga tgggtgctgga 240
tgctctaadc aagattaaga atgaaatcga ttctactttg acctccgaa gatcatgcag 300
agaagggatc tgtggctctt gtgccatgaa catcaacgga ggcaacacac tggcatgcac 360
gcgcaggatc gacacagacc ttggcaaagt ctcgaaaata taccctcttc cgcataatga 420
tgtgatcaag gatctagtcc ctgacttgag taacttctat gcacaatata aatccattga 480
gccctatctg aagaagaagg atgagtccca ggagggcaag caacagtatc tgcaatccat 540
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gcaggacccc ttctctctct accgctgcca caccatcatg aactgtacac agacctgccc 780
caagggtctg aatccaggaa aagcaattgc agaaatcaag aagatgatgg cgacctacaa 840
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t                                     961
```

<210> 389

<211> 657  
 <212> DNA  
 <213> Rattus norvegicus

<400> 389  
 ttcctttcct acttacagtc cctacttttg ttcccgcccta agcaactgaa gcctccggca 60  
 gagctctacc ctgaagatat aaatacattt aaattgctct catatgcctc ctattgtatt 120  
 gagcatgggt acctggagct ggccgcaaag tttgtcaatc agctaaaagg ggagtccaga 180  
 agagtggcac aggactggct gaaggaggcc cgaatgacct tagaaactaa gcagatagtg 240  
 gagatcctga ctacatacgc cagcgccgta ggaataggaa ccactcaagt gcagcaagag 300  
 taaggcctag gaagagttgt gtaatgtcat atttcatatc aaagaaaatc agcattggta 360  
 tctgcagggt ttgcaacaag ggtcccagaa ttgtccagaa gtgagcaggt tccaagtcct 420  
 gtgtgagatg ttaacacctg ttgcattttac cgtccttaca ctgctatcat gccaatgaac 480  
 tccaggagac tttatttgca acttggtgtaa cacttcctgt tttttaggtt ttactgatca 540  
 ggcttgtgag ccactcaaaa taatgtttgt gatccctact attgattctg cccttggagc 600  
 aaactgaata aagctacaca aggaaaaaaa aaaaaaacct cgggcgggac cagccta 657

<210> 390  
 <211> 802  
 <212> DNA  
 <213> Rattus norvegicus

<400> 390  
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 gaatccagat tcacagtatg gtgaacttat tgaaaagtac attaaagaag gaaagattgt 180  
 accagttgag ataaccatca gtttattaaa gagggaaatg gaccaaaca tggctgccaa 240  
 tgctcagaag aataaattct tgattgatgg ctttccaaga aatcaagaca accttcaggg 300  
 ttggaacaag accatggatg ggaaagcaga tgtatctttt gttctgtttt ttgactgtaa 360  
 taatgagatc tgtattgacc gatgtccttg aaggggaaaa agtagtggtg ggagtgatga 420  
 caacagagag agcttggaag agagaattca gacttatctt gaatcaaca aaccaattat 480  
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 agtttttggg gacgttatga agatttttga caaagaaggc taactaacc tgggacatct 600  
 ttgaaatcat gcttgaacat tgctttgata gctgctatca cagccccctt ttaaggcagt 660  
 tttaagatta catctcaatt aatgtctaga aatatatagt aagacaaatt atgtggctct 720  
 ttaatttgtg gtcacagtgc acagtgaatt cagtttaatc attttaggta ttatcggggc 780  
 ccccaaagag aagggtcacg ca 802

<210> 391  
 <211> 540  
 <212> DNA  
 <213> Rattus norvegicus

<400> 391  
 aaaaaaaaaa aacaacacaa aaaaaaaaaa aaaaactcta gcggccgcgg ccagcggcct 60  
 gcgccaggct gcttctgcag ccagtacctc ggtgaagccc attttcagtc gggacctgaa 120  
 agaggccaag cggagggtgc gcgagctcta ccgcgcttgg taccgggagg tgccaaacac 180  
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 cttccatgaa acagaaacac caaggccaaa agatttcttg tccaagttct atattggcca 420  
 tgacccatga ggtcacctga tgggaagggt catgttaata tttaattatc ttagagtaca 480  
 aataaaccce ttatttgatg gtcgtgaaaa aaaaaaaaaa cctgcccggg cgccgctcga 540

<210> 392  
 <211> 594  
 <212> DNA  
 <213> Rattus norvegicus

<400> 392



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tcacccccag	tggtattgca	ggagccttcc	ggagaggcta	tgaccggtat	tacaacaagt	180
acatcaacgt	tcggaaaggc	agcatctcag	ggattaacat	ggtgctggca	gcctacgtgg	240
ttttcagcta	ctgcatttct	tacaaggaa	tcaaacacga	acggcgacgc	aagtaccact	300
gaagaggggt	cactgtggag	aaactgcat	ggccgagtgt	aaccgcctgg	cccgtccga	360
tctgcttaac	cttcacaccc	caaccaagaa	ctagtgtcca	ataaaagggtg	acgggactgg	420
ttcaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	acgcgcagag	480
agcgaaggga	atttaaattg	gatcgattta	ggccaaggcc	aggcaaaact	tggccctaca	540
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<210> 393

<211> 567

<212> DNA

<213> Rattus norvegicus

<400> 393

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tcacatatgg	atctgacaga	gcagaagccc	tgaagaggat	ggaagatgca	ttggacagtt	180
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ggccagatgt	ggctaagtgg	gagctctcag	taaaattaca	tgatgaagac	catactgttg	480
tggcatccaa	caacgggcca	acatttaacg	tggaaagttga	tggctcgaaa	ctaaatgtga	540
ccagtacctg	cccgggcgcc	gtctcga				567

<210> 394

<211> 674

<212> DNA

<213> Rattus norvegicus

<400> 394

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gcctagagaa	gatgcacagc	atcacagggg	accgaggaag	ccagttggct	gtgcagcccc	180
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tcttctggaa	aacatggaag	ggccgctact	atccactaca	ggctaccacc	ctgttgatcc	540
agcccatgga	ggctacagca	gtccttagct	cctcactgga	gcctggttcc	aggctaagaa	600
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<210> 395

<211> 672

<212> DNA

<213> Rattus norvegicus

<400> 395

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acgaggagat	agacaatgcc	ccagaggagc	gagctcgggg	tatcaccatc	aatgcagctc	240
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attatgttaa	gaatatgac	acaggcaccg	cccctctgga	tggctgcatc	ctgggtggtg	360
cagctaataa	tggcccatg	ccccagacc	gagagcactt	actgctagct	aagcagattg	420
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tggagctggt	agagctggag	atccgggagc	tgctcactga	gtttggctat	aaaggagagg	540
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cgcgaccacg	ct					672

<210> 396  
 <211> 1085  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 1035, 1076  
 <223> n = A,T,C or G

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tgttctttcc	cttgataact	gctagacttc	ggcttcaggt	cgatgaaaaa	agaaagtcaa	180
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ttaatatgtc	caaagcagtg	tgggtcaaa	gtcaacgttc	ttccacagga	aaagatcttg	360
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gtacagtcga	ttctgaggtt	tggacgtcat	agactaaacc	cagaaaacag	gacactgggg	780
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aagcactgag	aaccgcccac	aggacagcgt	ggacgcaggt	gctgcacaca	gagaagaggc	1020
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catgg						1085

<210> 397  
 <211> 390  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 9  
 <223> n = A,T,C or G

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gggagcacc	cttagtgatt	gaaaaactaa	aggaaatggc	caaagcagag	ggcctgtgga	240
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acatggaggt	acctcggccg	cgaccacgct				390

<210> 398  
 <211> 1000  
 <212> DNA  
 <213> Rattus norvegicus

<400> 398

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tggaacgaca	tggagttatg	cccgcacacag	agactgagtt	cctgctgac	caggtgttcg	180
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agaatatcaa	cccctaccca	gtgccccgag	atcttcccca	ggaccctttg	gacctggcca	300
aactaggcct	gcgacacatg	gagcctgac	tcagtgtctaa	agtcactgtc	taccagatgt	360
ctttgcccag	tgagtgcaca	ggcattgaag	atcccacaca	gcctcacatt	gtaggaatcc	420
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caacgttggt	caagtggatg	caaggcttgc	aggagaccaa	cccaacgctg	gcacagatcc	780
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cacagcagcg	gcaaggtcaa	agctgagtca	gagctggcat	gaggagaaaa	gactggactg	960
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<210> 399

<211> 751

<212> DNA

<213> Rattus norvegicus

<400> 399

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ctgtcttagt	tctgcgctgc	gcaccattcc	ttttagacat	attcagacat	cagttgtttc	180
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ccgacttcac	tctggccttt	ggctaaggag	aaaggctggc	tataagaaaa	aattatggaa	420
aaagtcaact	gcaagaaaaga	agcgcttgag	ggaattcgtg	ttctgcaata	agaccagag	480
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taaactgtaa	actgtaccgg	ctgatagaca	aacttaggtc	accaccattg	tgcattaaac	720
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<210> 400

<211> 281

<212> DNA

<213> Rattus norvegicus

<400> 400

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tggtgagagc	aagaaggcat	ccgctaaagt	ttcagacgcg	atttctaccc	agtaccccg	180
ggtggaccat	gagtttgatg	ctgtggttgt	agggtgcaggc	ggggcaggct	tgcgagctgc	240
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<210> 401

<211> 589

<212> DNA

<213> Rattus norvegicus

<400> 401

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tttgctccc	tcccttctgt	ccagtccaaa	ggaccctttt	attacagcac	agatacatgc	180
ttattggggc	actcctgctg	tgtggaaccg	agaagaccca	gtctcctgga	cttagaatca	240
gcgtgttggg	catcagtgtt	ttcctgcaag	ggttgtgaaa	cttttttaaag	aaccatccac	300

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ctttggggaa gcatttctga gtttgtccat tgtcaacaat ctgtccttgg ataccatcat 360
gtaacagctg tttgccaaagt ggagctgctg ttgaatctga tgcgcctctg gatccggatg 420
aaacattgtc ttccttggtt ctccgtcagg tgtacagttt ttaaacaatca ctgcatctca 480
agtcttctga aaacaccatg tgcgtgggtc atggtacaat acaagcagcc atctactaag 540
ttccattgta ggatgttttc agatacttga atgaacaaat ctttaagt 589

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<210> 402
<211> 701
<212> DNA
<213> Rattus norvegicus

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<400> 402
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gaggaagtcc acataatgct tgatgggtcta ttacctgctg acacgtattt taggtttaat 180
cctgtgatct gtgaaaacat acccctagat gaaagccgca atgagaagct ggaccagctt 240
cagctggaag ggatgaagta tctagaaaga aatgatgaaa agatgaaaaa acttgcaaaa 300
atattaagtc gagaaaaaac aactcttcag aagattagtg attggataaa attaaaaagt 360
gatatgtatg aaggccttcc atttttttca aaattgtgag taggggtatac atgtgttcct 420
caaggccatc aaaagatcca taagttttata gaggagcagt gtgattcaca tgaattttgt 480
gtaggacact tagtgaaatc cgggaatcct tgaatcagat aatgctttga gtagctcgaa 540
cctcacagaa gatatgattg gtaacaaaag ttatatggga attaggtatt taagatgttt 600
ataaccttta gacgttttat tactatgcta tttggtttta gtatctatta gtcttaaatt 660
gtttgctgtt tcaaaatgta cctgcccggg cggccgctcg a 701

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<210> 403
<211> 991
<212> DNA
<213> Rattus norvegicus

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<400> 403
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tgatgtttct gcatttaatg ccagttactc agattctggg ctcttttgaa tttacactgt 180
ctcccaggct gctgcggctg gagatgttat caatgctgcc tacaaccaag taaaagcagt 240
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taaaacattg tatgtaaatg tttttcttgt actcttccta ggcagtcaac aggtattttat 720
taaatgcttt aaagaaaaca gtaatagagt aattaagttc actaattaca tcaattaaga 780
aatttcagaa tctgttaaaa ttgaggctaa gcagctttaa aagtaaaaaa ttccagatta 840
ttactgatgg ctttttaaaa taaaaacaac tttaaaactt gctcagtttg ggataataac 900
aattgaacag tctggatttt gccccgttta cagtaaaaagt acatttctaa agaaaaaaa 960
aaaaaaaaa aaaaaaagtg tggcggcttt a 991

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<210> 404
<211> 1010
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> 1010
<223> n = A,T,C or G

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<400> 404

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ctggaaagtt	ttcctgagag	aaagcagaat	tctgaatttc	cgatcattct	ttcagacatt	180
cagacttaac	aaggcacctg	gccacattct	cggtttgagc	tatttctcgg	ctgtggatat	240
gaacaaatga	gaacactgct	taactaatgg	gatagtgcct	atgatcatga	tgattctttg	300
taagtgcact	cactggttcc	at ttgggtga	tctatgtaac	cacagcatca	tctttcttgt	360
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cagagaggag	gggcccaaat	atggcgccca	ttaaagaggg	gaggtgcgtc	catcaacaca	900
tccgaggggg	gcgcgcggcg	tttacaacag	ccggccgggg	cgcgggaaaa	accggcggcg	960
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<210> 405

<211> 736

<212> DNA

<213> Rattus norvegicus

<400> 405

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<210> 406

<211> 871

<212> DNA

<213> Rattus norvegicus

<400> 406

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tccctggctg	ctggactctt	ctttgggggc	ctggcaggcc	tgggtgccta	ccagctgtct	300
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gtgaccgttc	agagacggcg	agtgtctgac	ctcagagctc	acactgcctt	catgcccgtt	660
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acatttgtga	tgtgggatct	tttgacacag	tctgctatga	aattatgtta	cggcaacatt	840
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<210> 407

<211> 814  
 <212> DNA  
 <213> Rattus norvegicus

<400> 407  
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 atcctctgtg gctctgagtg gtactaatca tgaacatgac cagccagcac atttaacctt 180  
 gaaggatgac agcatacctg ttaatagaaa tctgtcaata tatgatggg ctagcagcg 240  
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 acagataaat gctcagaact gtgtgcattg taaaacatgt gatatcaaag acccaagtca 360  
 aaatattaac tgggtgggtc cagaagggtg aggaggacct gcttacaatg gcatgtaaag 420  
 cccaagtgcc tccacttact ggcacacttg acagccagtt tctagaatac tgtaaatgta 480  
 tgccaaacta acctcccata tgtttggata acttctgaac aagtgtcctt caaacactga 540  
 agtaaaaaac tttgtatcta acgtcccata aaatcatgaa atatttgtca ttaataaaaa 600  
 acttttataa atgaaaaaaa aaaaaaaaca aaataaaaaa aaaaaaaggg tgtgggtcct 660  
 tggggccggg agacaagggt aaaggccgag aaattttgga aggatttctc cctacaacag 720  
 ttgggggggc cggctagaag atttggttta aaggggggcc attttcgccc atatgaggag 780  
 ggtcgtgttt aaaactcagg gggggggggt ttac 814

<210> 408  
 <211> 526  
 <212> DNA  
 <213> Rattus norvegicus

<400> 408  
 tcgagcggcc gcccgggcag gtgccatttt gtttttcagg actctgcaag ggtagctggg 60  
 gtgaatttgc acccaggtag cagctgtagt caccgcagtt ccaccttgt ctccgcgatg 120  
 ttgcccttgg ccaaaaacgc actaagtcgt ctccaagttc gaagcattca gcaagtgggt 180  
 gcaaggcaga gccatcagaa gaagacacct actttccatg acaaatatgg aaatgctgta 240  
 ttgacaggtg gaagcatctt ctgtatttct gcatggacat atacagccac acaaattgga 300  
 atagaatgga acctgtcccc tgttggcaga gtcaccccaa aggaatggag agatcagtag 360  
 tcatgccagc tgatacaata atcaaggaat tgtttcaaaa aaccaactca taaatgaatg 420  
 ccaagtcaaa gaatcatgta ctcatataaa catggcatat tgaagaaaaa aaataaagaa 480  
 ataaagtacc tttgaaacct tcaaaaaaaaa aaaaaaaaaa aacttg 526

<210> 409  
 <211> 592  
 <212> DNA  
 <213> Rattus norvegicus

<400> 409  
 aggacaggtt cctcaaccac tttgcaaatt atcgttgggt tcttgctgtg cctctcgttt 60  
 ctttgggctt taagacagtg aaacaaccag tatatgttgc agatgtttcc aaagggattg 120  
 ctaacgcgac taaaaatcca gatgccatag gaaaaacctt tgccttcacc gggccaaatc 180  
 ggtacctgct cttccacttg gtgaagtaca tctttggcat gaccacagg accttcatcc 240  
 cttacccctt gccacggttt gtgtatagct ggattggcag actcttcggg ctgagtccat 300  
 ttgagccctg gacaacaaag gacaagggtg agcggatata tatctcagat gtgatggcga 360  
 ccgacctgct cggcctggaa gatcttggcg ttcagcccac accactggag ctcaagtcca 420  
 tcgaggtgct ccggcgacat cgcacttacc gctggctgtc ttctgagatc gaggaacca 480  
 agcctgccaa gacagtcaac tattagtgcc acccaggcca cctgtgtcct ctccagggtt 540  
 ttgtactgaa ggagggtgct ctattaaata tccgaggatt cggtctaccg ca 592

<210> 410  
 <211> 1065  
 <212> DNA  
 <213> Rattus norvegicus

<400> 410  
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 catctgattg aattcccagg aagaatgtgc acagtgctaa ccagaaaatt caggacaagc 120

tctctgtctc	atgggtggag	tggaagagaa	tcgtcggcta	cgacgacacg	gacgagtccc	180
attgtgctga	gcacatcgag	tcacatactc	tgtctatggc	ccgcaacctg	acccagcagc	240
tccacactac	atgccagacg	ctcctgttca	acgtccaagg	gttaccacag	aacattcaag	300
accaggccaa	acacttgggg	gtgatggcag	gtgacatcta	ctcggcgttc	cgcaatgtta	360
cctccttcaa	ggaagtgtct	gatggcgctc	tcacttctag	caaggggcag	ctgcagaaaa	420
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ggtggcacct	tttatttttt	attttttatt	tttttgtatt	gaaattaacc	tgattagatt	660
agaaaagcag	ctagtttgaa	caaaggctct	cattatggtc	attcacagct	cacttatggg	720
cgtgcccccg	ctggccctga	cacatgagtt	cttcttacct	ggctggtagt	tgaggtgtgt	780
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ggcctttgtg	ttcttattgg	ctgtaaacgt	ctgtctgttc	cgaataaaga	tttgttcagt	900
cggcctctgc	tctgaatggg	catctgctcc	tgtgtggtcc	gagcaggctt	catcactggt	960
tccctcaagg	catgttcttg	tgtggccttg	atttagtttt	tttccatgtg	aagaaatata	1020
acctttggac	ccaataaaat	tcataacagg	gtaaacctcg	tgccg		1065

<210> 411

<211> 566

<212> DNA

<213> Rattus norvegicus

<400> 411

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cagttccacc	ccacaggtat	ctatgggtgt	ggctgcctca	tcacagaagg	gtgcctgtga	180
gagggaggca	ttctcatcaa	cagccaaggc	gaaagggtca	tggagagata	tgccccgtgt	240
tgccaaggac	ctagcatcaa	gagatgttgt	gtctcgatcc	atgactctcg	agatccgtga	300
aggaagaggc	tgtggccctg	agaaggatca	cgtctacctg	cagttgcacc	atctgcccc	360
tgagcagctg	ccacgcgtct	gcctgggatc	tcagagacgg	ccatgatctt	cgccggcgtg	420
gatgtcacca	agaagcccat	tccagtaact	tcccactgtg	cattacaaca	tgggagggat	480
tccactaac	tacaaggac	aggtgctgaa	gcacgtgaac	gccaggatca	gattgtgcct	540
ggtctgtacc	tcgccgcgac	cacgct				566

<210> 412

<211> 1044

<212> DNA

<213> Rattus norvegicus

<400> 412

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gtgcaacctt	cgcagccatg	attggagctg	gaatgctggt	ccagtcaata	tcgtatgagc	180
agagcccagg	cccaaagcat	ctggcctgga	tgtctgcatc	tggtgtgatg	ggtgcagtcg	240
tggctcctct	gacaatctta	ggggggcctc	ttctcctgag	agctgcatgg	tacaccgccg	300
gtattgtggg	aggcctctct	actgtggcca	tgtgtgcacc	tagtgagaag	tttctgaaca	360
tgggagcacc	cctgggagtg	ggcctgggtc	ttgtctttgc	atcttctactg	gggtctatgt	420
tccttcccc	tacctctgtg	gctggtgcca	ctctgtactc	agtggcaatg	tatggtggat	480
tagttctttt	cagcatgttc	cttctgtatg	atactcagaa	agtagtcaaa	cgtgcagaaa	540
taacaccgcg	gtacggagct	cagaagtatg	atcccatcaa	ttcgatgcta	acgatctaca	600
tggatacatt	aaatatattt	atgogagttg	caactatgct	agcaactgga	agcaacagaa	660
agaaatgaat	gacggctgtg	gtgcctctgc	tcgctgggtg	ccagcttggg	tagtaggagc	720
agatagtcac	tacagttcgc	accatcagaa	ttccttgagg	tttagaagat	aacctgtcac	780
catgtttaaa	atgtccagta	acgtgacctt	tcaggcctgc	tttttctttt	agagaataaa	840
tgcaatagat	gtcttccaaa	taagcacgca	cactttcatc	tgtcatgctt	tcctacgtta	900
aaaatgcttt	gatgaatgtg	tgcgcaaaga	tgtattagaa	ggtttcaagt	attgttttat	960
ttattgaata	agtaaaatgt	agcaaatgtg	tgtatcttca	tatcgtggga	ccctgcagaa	1020
tattaaaatg	acgtcatgag	tgcc				1044

<210> 413

<211> 510

<212> DNA  
<213> Rattus norvegicus

<400> 413  
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atggtagcag aaggtcagga aatctgtgtg attgaagcta tgaaaatgca gaacagtatg 120  
  
acagctggta aaatgggcaa ggtgaaactg gtgcaactgca aagctggaga cacagttggt 180  
gaaggagacc tgctcgtgga gctggaatga agtacttgta gcccttcagt caccactgct 240  
cactgcttta attagcattt ccattattct ctaaccctca atttgctcag gcgtttacag 300  
gagcactctg cagcagggtc tacagcatcg tatttattcc tcagaagagg caaaaccgac 360  
actctgccaa aaaaatcacc aatgggaatt tttattgata taaatacttg tacatatgat 420  
ttgtacttct gctgagattt ccagtggtca aaattaaatc aataaaacca agcatttgtc 480  
taaaaaaaaa aaaaaaaaaa cttgctgccc 510

<210> 414  
<211> 596  
<212> DNA  
<213> Rattus norvegicus

<400> 414  
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agcttgtagt ctgcgcgcct gtcagtagcg gcggcgatac gagagggtccc ggctgcccgt 120  
gttcgctggg aatcttccag ggctgtaatc gcccgtccg gtgtggagag aaagcggcaa 180  
agagaaccga ccatggtatg gcaggaggac ccagaaccg aggacgaaaa cctctacgag 240  
aagaaccag actttcacgg ttatgacagt gaccctgtgg tggacgtctg gaatatgcga 300  
gctgtcttct tctttggttt ttccatcgct ctgggttttg gtaccacctt tgtggcttac 360  
ctgcctgatt acaggatgca agagtgggccc cgccgggaag ctgagagact tgtgaaatac 420  
cgagaactca acggcctccc catcatggaa tccaactatt ttgatcccag caagatccag 480  
ttaccagaag atgactgacg aaatactgag cagggtctaa gaagcattac ttattcgccc 540  
ctctctgtta atttctgtgt tcttcagaac accttattaa agtaattgaa aatatg 596

<210> 415  
<211> 621  
<212> DNA  
<213> Rattus norvegicus

<220>  
<221> misc\_feature  
<222> 248, 268  
<223> n = A,T,C or G

<400> 415  
cctatttctg cccatgaaca aggtggccag aagttttaca agtgcctccc atagagagtc 60  
tatagaaatg gcgacatttt taacaccaaa ggcaccaatc ggaagacca gttgggaagt 120  
gaccacaaaa tccaggctcg ccacatacat accaccttgc atagcttcga ggactctgac 180  
agcatcctgg agaccctctc agagaaaaga ctggggaata aaaagattgg agagaactac 240  
gccctcgnac aagacttttc acttcttnat agaaagatag aaatagtttt aggggcctct 300  
gtgtaaacgc ccccgcatgg ttcaaataa actcagagct atctacgagg agtctgacac 360  
cccaggagta ttgaagagat tattgatgaa actcagagct gggaaagtgc ccaaaccac 420  
gggccaagga ggtggccgct tctgttgtga gccacgccgg agggccttac ttctttgact 480  
gaaccacccc caaggacctg gctttggtgt gcaagacagg cctttaacat taccattcaa 540  
ctgttaaaaa gtcactggag aaattaaata tgaacctact taaaaaaaaa aaaaaaaaaa 600  
cctgcccggg cggccgctcg a 621

<210> 416  
<211> 577  
<212> DNA  
<213> Rattus norvegicus

<400> 416



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aatcaggaag aatgagaaaag aaaagctcca tgcagttaac gaggaggagt gcactacttt 120
acgagcaagg tggctgtcag aggagtgcac caacgcaatc atgagctttg ttaccagaaa 180
gccaaagctg tgaagtccac gacaatggca agactcctca caagaaggac agactgtgag 240
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gcaactatga tgagattgct tcacagcact gataaataga acttttcata aatcaagcct 360
taagaattca tgtctggggc tggaaagatg gctcagtggg taagagcact aactgctctt 420
ctagagggtcc agagttcaaa tcccagcaac cacatgggtg ctcgcaacca catggtggct 480
cgcaaccatc tgtaatgaga tctgatgcct tcttctgggtg tgtctgaaga cagctacagt 540
gtacttacat ataataaata ttaaaaagat tttaaac 577

```

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<210> 417
<211> 513
<212> DNA
<213> Rattus norvegicus

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<400> 417
gaattcggct ttcgagcggc cgcccgggca ggtacaaagg atcagcaccc gtatttgagg 60
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gcactgccca tcatcccaga agctggagcc acagattgcc agtcgccaat acctatgcct 180
gcaaggggct tagacaggat ggaggcaagg ctgcctattc tgaaccagcc aacatctgag 240
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gctggagcca aggattctgt agccagcaca gtctcagggg tgggtggataa gaccaaagga 360
gcagttactg gcagcgtgga aaggaccgag tctgtggtca atggcggcat cgatacgggt 420
ttgggggatg tgcagctcat gagcagtgga gtggaaaatg caattagcaa gtcggagctg 480
ctggtagacc agtacctcgg ccgcgaccac gct 513

```

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<210> 418
<211> 422
<212> DNA
<213> Rattus norvegicus

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<400> 418
tcgagcggcc gcccgggcag gtacttaagg gatcctaacc ttcattgagaa atatcgagtg 60
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gccctgaacc agctgcagac actggagccc aaacagatgt tctgggtgcg agcccggggc 180
tatattgggg aaggcgacat caagatgcac tgctgtgtgg ctgcttacat ctctgactac 240
gccttctctg ggacggcact gctgcctcac cagtccaagt ataaagtga cttcatgggtc 300
tcgctggacc actccatgtg gttccacgcc ccattccgtg ctgaccactg gatgctctac 360
gagttgtgag agcccgtggg ctggtggctc tcgagggctg gtacctcggc cgcgaccacg 420
ct 422

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<210> 419
<211> 901
<212> DNA
<213> Rattus norvegicus

```

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<220>
<221> misc_feature
<222> 28
<223> n = A,T,C or G

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<400> 419
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tttgctatac agccaagggg ggcataatct tagaaacttt aaataattaa atcaagatgc 180
ttctgaagta cttctcaaac agataagtat cagacaatta ttccctttat acaattctta 240
tatcacatca tttgatcaca aagtctgaca tatttcataa agaattcccc agttcatgta 300
gaccctagcc atctgtccta gccacgcccc cactgctcgc ctttaccat ctcgtctgca 360
gtgtttttgt ttgtttgggt taacagcaat ttatttccta aagaattgct tacatatctt 420
ggatagcctt ccaaagcaac aaagcaagca agcaagcagg caacaccaga gaaagccagc 480

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caagagcaga	ttcacaggaa	cacagggcgg	aagcagcttg	attcagtgac	atctaaatca	540
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ctgagggatc	tgcatagtat	agtattcaca	aggagctagg	aaggctcgtgt	cattaggaag	660
ctcatgagac	aatacattcg	atgcatacag	tgccctggacc	aggattatga	actgactata	720
catcttccag	cattaaaaatt	tgccaagtat	aaaattcatt	cagagttttg	tgcaaaactt	780
aagacactga	ggacaatcta	attcttttagg	actgaggtaa	gtcaggcact	tctgtaaacac	840
tagtctttct	gtttggaaat	gtgaagaatc	ttcaagtgtg	cctgcccggg	cgccgcttca	900
a						901

<210> 420

<211> 634

<212> DNA

<213> *Rattus norvegicus*

<400> 420

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aaaagggata	cagactccac	caatgtcttt	ctaaaagaca	tacagggtaca	agtgggtatca	180
aaagtatgag	gaaatcacca	gttaatttta	cattctgcac	ttgacatcac	agagcggaact	240
gagattagca	gtcctatggt	ctacaattac	ttaatgttta	gataacatct	gtgcaatttg	300
tggtagagct	agagttttgt	ctttctatat	gcacatgagg	tccatagcct	atagagtaaa	360
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aagttagcg	acgccatgac	atagaagaga	attattaaat	aaagcactga	cattgtttga	480
cacagtga	aaacactgca	attcgacctt	taaaatttga	agctattttac	gtttatctac	540
tgatcaatat	gatcagctga	atttaatgga	aaaaaatcca	agatcagcag	cccctcacat	600
ctgagtacta	ctcggattgg	cagccttcac	tttt			634

<210> 421

<211> 637

<212> DNA

<213> *Rattus norvegicus*

<400> 421

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acaatgacag	tgtacatggc	tagggtaagt	agcgtcacca	aagattagtt	ctctcgctta	180
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ggcatttcac	tggtatgcctc	gagagacagt	tctgttgag	tatttgagtt	taaagacttt	300
gaaaggaaag	agaatttggc	tgaaaagtat	ccttttcttt	agttaaactcg	aaacaagtct	360
ccagtcagta	cccagtcaaa	cacagtgcct	tgaacttttg	gtaatttgtc	ggacagtata	420
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ttcatcttta	tcctttatcc	ttcacctcag	gtagcaggga	agagaagtca	gtggcatagc	540
aagcacccta	aggatcgttt	ggttcctttc	tgacaaaaga	atggaattat	tgagagaagc	600
caatgcctta	tgaagtacct	gcccggggcg	cgctcga			637

<210> 422

<211> 716

<212> DNA

<213> *Rattus norvegicus*

<400> 422

tcgagcggcg	cccgggcagg	tacacccagt	cccaataaag	gcttgagcac	aaaaaaaaaa	60
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	120
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	180
aaaaaaaaaa	aaaacagagg	ggcaacccgc	ccggcgggcg	gagccccgcg	aaaagcgcg	240
ggcgggagac	ctccaccac	tagggggggc	gcacacacgc	aacctatatt	aaggggacga	300
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gcagtactaa	cgaggagacg	aggggggag	cgaggcagac	acgcccgcg	agcggacacc	420
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agagaacgaa	cgaagagcaa	ggaggggggag	agagagccag	aggcaacacc	gacgaaaaag	600

cgaaagaaaa	caaggaagga	gggaggaagg	aagaggacca	cgcgagagcg	cagacgacac	660
aagcgcgcaa	gggccccggc	cgagaccagc	ggctcaaaaa	ggcggcgcaa	gccaga	716

<210> 423  
 <211> 620  
 <212> DNA  
 <213> Rattus norvegicus

<400> 423

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cacaaaggcc	ctggcaaagg	gtaggcactc	gataagtact	tcttcagagc	atgaccattc	180
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tgtccagtgt	ttcacaggcc	tttgcccgc	cactgttttt	tgccacttct	tactgtgtt	360
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gtctacgatc	ttctcttcta	tcaccatgcc	tcttgctacc	tcgtcctcag	acagcaaaaa	540
ctttgtctct	gagtctttgg	ttacaataat	cacaaaggac	tttattgact	ccaggatatt	600
ggccaccact	acttgatgct					620

<210> 424  
 <211> 1219  
 <212> DNA  
 <213> Rattus norvegicus

<400> 424

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tgtaatcaa	agtatgatca	atatgtaaag	gtattatcca	gtagacattt	ttaattattt	180
tcagttttca	aatcttagta	tgtattttac	atttactgtg	tttatttggg	tgccaaattt	240
tgattttacaa	catttctctt	tgtgatgaga	tttcacacgt	gtacttgaat	aagtagctgt	300
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tgtattttaa	ctaaacgttt	tgttcctctg	ctacactagt	gatgtttcga	tgtagtcggt	420
gtggtggccc	acagtggcac	tgcaagggca	gctctgacag	aactggtgtc	acccgatcag	480
accgcctctc	aggagctgc	agagctctga	tgtagcactg	actactgacg	atctcctcag	540
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tttccttggt	aactttcacc	tgcattcaga	tttcaccaga	acttcctctg	ttgggttagg	660
aagaggctta	cctggcactc	caaaatcctc	aagttagagc	tttctctgag	gtgctaaact	720
aagccccaca	aacactgctg	aagggggtgg	gggtatagct	acgtatgttt	caaagcaagg	780
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ttattatgct	gacactccag	aaatagcttt	gctattctca	gtgtgacctc	gtcacaggcc	900
acgtgtgtat	aaagcaactg	ctaaccacag	acactagact	cagtgcagct	tatggggtct	960
cctatttacc	tcacgtttgt	gtgatcctta	acatagtaaa	acccagtgat	caaaacagat	1020
gctacgttac	cgcaggtgaa	taattagcct	tgtgctcaaa	ctactcaaga	aatggagaca	1080
gagggttttga	gctgatcaag	agtgtgcccc	agggctgctc	ccatcacatc	cgggctttca	1140
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gaccgtctgc	caagcgcag					1219

<210> 425  
 <211> 685  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 680  
 <223> n = A,T,C or G

<400> 425

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atgatcctgc	aatgcacact	gggtgtctgtg	atgccagggtt	cagcatgacc	atccaaaagg	120
cacctgtcta	ggggaggcag	ctttctgagg	ggatccagag	gagcagtggc	caatggcaaa	180
tacctctgtg	agcacactgt	ctgccctgtg	ctggggaaga	gccccacta	tgtgtcgct	240
ttggaccttg	gttgtgagcc	cctaagaata	tttctcaggg	gattttgatc	gacaggatca	300
cactctgtgg	ctcaagcagg	cttgtaattc	tctacataga	caagcctgcc	tctgaactct	360
caatcctgct	ctccagtctt	ctgcgtactg	agaatacagg	tatacgtcac	tatgccccac	420
tcctagagaa	cagtttctaag	gtcaagacat	gatcaagatg	cccgtgacac	catggcagag	480
tcatgccaaag	tttctgtggt	ttgaaacctt	ggatgtgagt	ctcatttttc	aaacacacag	540
ctgcaatgca	aaaggcacca	gaaggccagg	cctggtgtta	ggaactgaag	aagaggccca	600
attccaggtc	agaactgtag	caaatgcact	gtgatttcca	gccttgtggc	cgccatgcga	660
ctccaagttc	ttcagtgtgn	tctca				685

<210> 426

<211> 504

<212> DNA

<213> Rattus norvegicus

<400> 426

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caaggtttgg	attctgataa	tctgtacata	atttggttaa	ttactgataa	agtagaaatt	180
acagtcattg	ttttaatgag	aaatgacttg	ggattctctg	gagctcttaa	ttttcttata	240
aaccagggac	cagcaaaccg	tttctgacga	agatcacagt	agatacttag	atacttgagg	300
tgctgtgggt	catgaagtct	gtgccatggc	cactccaagc	catagggaac	aagttccgct	360
ccactgcagg	aaggctccat	aaaacattgg	tgtttgaact	ttagctgtca	catcaggaaa	420
agttataaac	actggtgctt	aaacttcagg	caaccactgt	attatgaaac	attagtcttt	480
tcacctgccc	gggcggccgc	tcga				504

<210> 427

<211> 554

<212> DNA

<213> Rattus norvegicus

<400> 427

atttgacaaa	tatttattaa	gtgcctacta	tgtgacagac	accataaaaa	caactaaaaa	60
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aaagacttat	agtgttcaag	gtgaaaaatt	ggctactgga	aaccaggtaa	ggccctcaca	180
atcacggtgt	acgaaatata	ttcacacctg	tcagatacca	ctcgctaattg	ctgctgttct	240
gagcataaag	tcattgcaaaa	acctcgtgta	tgttcttttg	ggtttcggtg	acttcacaat	300
ttgtctggaag	aacatctatg	aagaaaggct	ttctcacaag	atgggtatcag	gtcatggaga	360
tcaaaattcgg	tctcgaagga	aggacttttt	tcaaaaataa	ttaaggcagc	cagcacagcc	420
aatttttgagg	tcattccctt	gatgagggtac	ttcgagccag	tctcaaggct	tgtgtattca	480
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ggacagagga	aata					554

<210> 428

<211> 629

<212> DNA

<213> Rattus norvegicus

<400> 428

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cactatacat	cctagaaagt	cagacactca	actctaaaga	tacatgtgat	gaagcagtct	180
caaaccggcg	gccctgaaaa	ctgctttatt	aggcttgggg	atgtgtctat	tcatttcatg	240
taattttcatt	gttttgaaac	agagtttccc	tctgtaaaaa	aaaaaaaaaa	aaaaaaaaaa	300
aaaaaaaaaa	aaaaaaaaaa	gaaaaaacaa	caaaaaacga	agaaaaacaac	acacagatga	360
cccaagatcg	cgcggcgaac	acacactccc	taaagacaca	cagggcgcg	gcagaattca	420
atcaccaacc	aacgagccgg	cagcgccgca	cataacgcgg	cgctattata	gaagggccgc	480
ataattacgc	caataggggg	cgcgcgcgat	aacacaccgc	tgcgggcgcg	gccaaacaac	540
ccgcgggtgt	accacggcg	aaaaccccg	gtgcgcccc	cccttaactc	acatggggac	600

acacctccgt cgcgacacgt gcaacacgg

629

<210> 429

<211> 489

<212> DNA

<213> Rattus norvegicus

<400> 429

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ttcatagttt caaatttcct ttcatTTTTaa aaactgtcag aaagttataa attcaatggg 120
ggtttccgcc aaacagttca aacaacatta tagatttttt cataatttta cttcaagtat 180
gtaagtgatt agattaacat aatattcaat aaaaaataaa cacaagttct atctcatttc 240
tggtgccatg agacgtaaca gcaccacata tttttaatgt tagtggcaaa ctgtaatcta 300
attaagcacc atttaagttg gctgtccgtg agaacacagt gtgactcagt ttactgagag 360
gcaacagtcg gaataaccct gtaggtgagg agacctggtt ccttcactag atcctggttc 420
ctggggagca ctggggaagg acagggacag gtttccgggt tcagtacctt gcccgggcgg 480
ccgctcgaa 489
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<210> 430

<211> 189

<212> DNA

<213> Rattus norvegicus

<400> 430

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acgagtggtc cggccccggac gtgttctctt gggcctgcag ttctcatgca tgtgcttatac 60
tggctgtgta tgatcagact ccagagatga attcatcaga ggagcgcctg gccaaagctag 120
catgaccctt tctctctcta gcggtgccac accatcatgt aatctgtacc tctgtgacgc 180
gaccacgct 189
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<210> 431

<211> 542

<212> DNA

<213> Rattus norvegicus

<400> 431

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aacagaagca ttcacagggt cttgagccat tccaagcttg gaccagagg ttctgtgagg 120
tggtgggca catcaggcat gttcccatca tctctcacag gactgggta gttgtagggt 180
gtggccttgt tgatcatgct agcatactgg gtgtaggggc taatcatggg cataattata 240
gcgaggcccc agacagtga gacaccacc agcaccggct ctttgccca ggcattctta 300
aggaaggcgg agattcctag aggtgagaaa aaagtcgccc ttggggactg ctgcggtgac 360
ctctaacact ctctgtatcac cctgtctctg accctatttg ctgctgcgcc cctcttcttg 420
gacggatcct accactcccc aaggctctac tgagcctcag ccacgggtca agccacgggt 480
tcctggaatt acatggtccc cgcgcgcccc gaacgcgtac ttactagccc tcgtgccgaa 540
tt 542
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<210> 432

<211> 617

<212> DNA

<213> Rattus norvegicus

<400> 432

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tgcgcgctgt cactctcttg taagctcgcc ggcgacatgt cggggtacac gcccgatgag 120
aagctgcggc tgcagcagct gcgggagctg agaaggcgat ggctgaagga ccaagagctg 180
agccccggg agcccggtgt gccccgcgc aggatgtggc ccctggagcg attctggaat 240
aactttttgc gggaccgggc cctgtggaag tacatgatct tcaaggcgta ccgcaccagt 300
ctcttcactg tttcccatgt gatcatacct ctctggttcg tccactatta cgtcaaatat 360
catgtggcta ctaaaccata tgccattgtt ggcacgaagc ccagaatatt tccaggtgat 420
acaattctgg agactggaga agtaattcca ccaatgagag attttcctga taaacatcat 480
tgaagagctc ttaaaaattt aaaaaacttg tgtaacagca catgtatgtt ccaaaagtgc 540
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tgtatttact gaatctatatt cctagaaaaag taattaataa aacttattcc tgtccttgtc 600  
 acaaaaaaaaa aaaaaaa 617

<210> 433  
 <211> 685  
 <212> DNA  
 <213> Rattus norvegicus

<400> 433  
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 tgttgaggca aagggcagta gctacagctg cggtttccgt ctgcagagtt ccatccaggt 120  
 tgttgaacac atcgacatgg aagctggcag acggccaaac tcgggacacc cagcttataa 180  
 cagttgatga gaaactggat gttactcctc taactggtgt tccagaagag cacatcaaaa 240  
 ccagaaaggt cagaatcttt gttcctgctc gcaataacat gcagtctgga gtaacaaca 300  
 cgaagaaatg gaagatggag tttgatacca gagagagatg ggaaaatcct ttgatgggtt 360  
 gggcatcaac ggccgatccc ctctccaaca tggttctcac cttcagtgcc aaagaagatg 420  
 cggttgcctt tgcagaaaag catggatgga gctatgacgt ggaaggagg aaggttccga 480  
 aacccaagtc caagtcttac ggtgcaaact tttcttggaa caaaagaaca agagtgtcta 540  
 caaaataggt tggagctggc tacatttctg cttgactgtg actgaagtgt cagctgtgca 600  
 ctatttatag tccatggata atgcacccct taatctccta ataaatgtga cttttaaaact 660  
 acaggtacaa aaaaaaaaaa aaaaa 685

<210> 434  
 <211> 789  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 772  
 <223> n = A,T,C or G

<400> 434  
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 ttggcatttc tgatttcagt tctgaaattt ctgtccctta gtcgtgggga aaataagaaa 120  
 tggagttaca ccttgtcatt taaaaaacca ttgaattaag agaaatggaa aatcatgccc 180  
 acataaaaaca tgtatggaag tgttcatggt ttgatcatgg cgggggatata agctcagtca 240  
 tggagtgcct gcatagcaat gtgcataatc cgaggttcaa gccccagcac cgaaaaagag 300  
 aatcgggagg agtggaggca ttcacagcag cgttttcagt ataggcgcaa aggggaagga 360  
 gtttaaacac ctactgagga atggataagc ggagtgcctt gtctatactc gggatgctag 420  
 tcatcagtag aaaagtttga aatgatatag acgatggatg atcccttaaa catctcccta 480  
 agtaacgagg tcagcctagg aaggcgtatg ttccatattt ctgggatata tgggctcacc 540  
 gatgcagaaa aaagtacagc ctggtatcct ggattggaga cacggactgg acttttgaag 600  
 acaacagaat ggaacagaat ttacttgagt ggcgatgttc ttgaatgaac ggaagtcagt 660  
 cttgcccact tgatgactgc atttacaac cactgaattt tacttttagt ggggtgaattg 720  
 catggtacct tcattttaat ctcaataaag ctgcgagtat ttttaagcga anaaaaaaaa 780  
 aaaaaaaaa 789

<210> 435  
 <211> 638  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 75, 574, 583  
 <223> n = A,T,C or G

<400> 435  
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 gggggcaggc ctganggcca ccatcttctg catcctgacc tgggtcagcc tgacagctgg 120

ggaccgcgta	tacatccacc	cctttcatct	cctctactac	agcaagagca	cctgcgcccc	180
gctggagaac	cccagtgtgg	agacgtcccc	agagccaacc	tttgagcctg	tgccccattca	240
ggccaagacc	tcccccggtg	atgagaagac	cctgcgagat	aagctcgtgc	tgggccactga	300
gaagctagag	gctgaggatc	ggcagcgagc	tgcccagggtc	gcgatgattg	ccaacttcat	360
gggtttccgc	atgtacaaga	tgctgagtga	ggcaagaggt	gtagccagtg	gggccgtcct	420
ctctccaccg	gccctctttg	gcaccctggg	ctctttctac	cttgatcgt	tggtatccac	480
ggccagccag	ttgcagggtg	tgctggcggt	ccctgtgaag	gagggagact	gcacctcccg	540
gctggacgga	cataaggtcc	tactgcccct	gcangctgtt	canggcttgc	tggtcaccca	600
aggtggaagc	agcagccaga	cacccctgct	acagtcca			638

<210> 436

<211> 613

<212> DNA

<213> Rattus norvegicus

<400> 436

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atacacaggg	atacgtacgt	catacctggt	ggttgcttaa	gaaagttatg	aagttacgtc	120
catgattctt	agctcctttc	ttcaaacggt	tttccccctc	ctggtttttc	tgtgttctcc	180

tagcctaagg	agcatttgac	tgggtttgtga	ggtacgttta	tggagtagaa	gccaggggca	240
atgctttcgg	gcttgattgt	aacccaaaagt	caacccatcg	cagtttaaaa	aaaaaaacaa	300
aacatctttg	gtctttttgtg	gaatttgaac	taaatctatg	agccttattc	gatattctata	360
attctatgat	tttttttaaa	ttacgggaaa	tcaatggaag	atgtttacat	gagtaatggt	420
tgcccttaac	tgtgttatga	atgaattttt	tgtagtgtgt	ctgggcgcat	gtgcaagaaa	480
gtaggaaaaa	tgtttctgaa	acaaaacttg	acaaatattt	gtaatgaaaa	gtaaaccttaa	540
agattgctat	aatcgcgcta	tagaaacaat	gcaagtatta	aacaaaatgt	ccactcaaaa	600
aaaaaaaaaa	aaa					613

<210> 437

<211> 850

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<222> 252

<223> n = A,T,C or G

<400> 437

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cccggaccca	gcctctcccc	cacttcgggtc	accggccccg	ctcctccaag	gccccgggtc	120
ccccagcccc	gcttcgcccgc	cgccatggcg	gaccctaaat	acgccgatct	ccccggcatt	180
gccaggaacg	agccagatgt	ttatgaaacc	agcgacctac	ctgaggatga	tcaagcagag	240
tttgatgcgg	antggaggag	ctgagcagca	caagtgtgga	acacatgcat	cgtcaacccc	300
aacgctgcct	atgacaagtt	caaggacaag	agagtaggga	caaaggggct	tgattttctca	360
gatcgcattg	gaaagaccaa	gaggacagga	tatgagtctg	gagactatga	aatgcttgga	420
gaggttctgg	gagtaaagga	gacaccacag	cagaagtacc	aacgactact	gcatgaagtc	480
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tgcagggcta	tgagattttc	agagctgggg	agtacaaatc	tgtatttaat	gctgctaaac	600
tcagtgtgtg	tctaaaatct	atccgggggc	tgtggcagtg	gtagctggga	agattaagag	660
cactggttgc	tcctctggaa	gatccaagtt	ctattcccag	catctgtaac	tccagtccca	720
tgggatctga	tgtccccttc	aggcccctat	ggtcactgca	tgcatgtagt	acacagactg	780
catacatgca	gatataataa	gtaaataaaa	ttgcctggcc	atggctttct	ttgaaaaaaa	840
aaaaaaaaaa						850

<210> 438

<211> 117

<212> DNA

<213> Rattus norvegicus

<400> 438  
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 ttccccctg agggccctca gttttaacag gaacccataa aaattgtttt taatttt 117

<210> 439  
 <211> 616  
 <212> DNA  
 <213> Rattus norvegicus

<400> 439  
 aagatcctta aaagcagttt tatacatttt agaaaaatca ggactttcca ttcagaacac 60  
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 caacaaaact tttgcaaaag atggccagca tcgggtgctg agcataaatc gaaatgctgt 180  
 gggcaagcac tttgacctga tgatcggcga cacgatgact agtgggaggg agctagtga 240  
 gcagttcctc tctgagtctg tgctgaagga gcagcctcgg gtgttcttcc ccaggagct 300  
 tgcagtgcag tacagacaga agattgtgaa gagctcacac cggattgagg agctgtacga 360  
 ttcgttacta caagctgttg ctttttacga gttagttttt ggcagtggct cagagctcaa 420  
 atgttaatgc actcactcta tgttacacta atttattaaa gcaactgttc tcatcttcta 480  
 tgtagtgga gaagaaaaca ttttgaatat attttccatg tttataaaat ctgatttttg 540  
 gcttgaaaaa aatgaccccc cccccaatca atccacactt tgtgagattc aaaaaaaca 600  
 caaaaaaaaa acaaaa 616

<210> 440  
 <211> 483  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 212  
 <223> n = A,T,C or G

<400> 440  
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 gaacattctc aaggagaagg tgagaaagaa tggctgcttg gtccctccct gcattcatcc 180  
 ccagtgtctt aatttccagg ctgtcaccac cntaaggacc ttacatgttt gctacctcca 240  
 ctgtgttgca gcgagccacc tgtaaccagc agtggctgcc tttatttagg ctgtgggtca 300  
 gaacgcacag gtactaatta ctgcccagcc cgggagacca gattgcattg agatagttag 360  
 ttgggcttaa ctgttggtgtg tacatctatg tcctgtagtt ctgtaataac ttgctgtaaa 420  
 tgcataagc actatcttta aacccaagta aagactgcct gaacccaaaa aaaaaaaaaa 480  
 aaa 483

<210> 441  
 <211> 208  
 <212> DNA  
 <213> Rattus norvegicus

<400> 441  
 ccccccttga cccaagcatc atgtgatgga ttcttcggaa tttgcttttt tggattaagg 60  
 aagattaaag accaaccctt taagaggggt tttcctcctt tttgaattgg ctggaaagg 120  
 ggggggacag aagacagtgt gattttttca gtgatttcct gaagtgttgt ccctttccct 180  
 aaatgggggg aaataacccc catgccag 208

<210> 442  
 <211> 286  
 <212> DNA  
 <213> Rattus norvegicus

<400> 442  
 cttgtcagga aatcctcagg aaagttgaac ggcttttgcca gtctctgacc caaacatgtt 60



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ctgaatacag	agaatacaaa	ctataactat	acacatacag	tttgactcca	ggctctcacg	180
catgctaggc	aaatattctc	ccatgaagtc	atgttcttca	gttctggatg	atacggtgaa	240
gtcggtgcaa	atgcatccga	tcacaatgga	aaaaaaaaaa	aaaaaa		286

<210> 443  
 <211> 403  
 <212> DNA  
 <213> Rattus norvegicus

<400> 443	
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gccaagaaaag	cttcactttt
ccccgatca	gatgaccac
ttacggttga	ctgttcagt
catgcttccc	acggacacac
ttccaccagg	gatcctgtta
agatggaagc	tttcctagtt
cggccatcgg	caacgtgtga
gaaaacagcc	agatatggtc
cctccccaag	ccccctgcaa
tccagctgat	agtgtgaagcc
cggtatctcat	aactactctt
cacatgaccc	aattccaagt
aaaaaaaaaa	aaa
	60
	120
	180
	240
	300
	360
	403

<210> 444  
 <211> 641  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 1  
 <223> n = A,T,C or G

<400> 444	
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ccagagtggc	tatcaacaca
ataccacagg	ctctcaaaact
cctcggttac	tggttcagact
ctaaacatca	ctgtcaaaaa
ataccactga	catacgcaact
tgggttccgt	gaggagcaca
tttcaaggaa	aaaaatggat
atttttctag	atttttatct
tgccaacgag	gacaatgtca
actacagctg	gctgcaaagg
gatggagttc	tcagagagcc
tggttctcac	gggaaccgag
tgtaattgcc	caccactctc
catttacttg	aagactccga
gatgctctgc	ccattcagaa
actgcaggtt	gaactgaacc
tcattcttat	gcaactctca
caaatcatgt	atattacaga
attgatgtgt	tttaatctac
cgatgttatg	c
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	641

<210> 445  
 <211> 439  
 <212> DNA  
 <213> Rattus norvegicus

<400> 445	
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tcagagaagg	tcgtctgctt
cacggagcac	ggcgggtcag
catcttccga	cggatatatt
gtctatgact	tcagagctgt
ctaaaaaaaa	aaaaaaaaaa
gcccgaagtc	aattcatttg
actaaatgat	tcacaagacg
ccctcggcaa	cgtagagccc
actccaaggc	cagccaccaa
catcatcctg	actttggcac
gtacatat	gactttgagt
cgtcattaaa	cattctgcat
	60
	120
	180
	240
	300
	360
	420
	439

<210> 446  
 <211> 372  
 <212> DNA  
 <213> Rattus norvegicus

<400> 446  
aattgaaggc ttagccagga aggcagcggt tctgatggcg cctaccatct ctccccctct 60  
ggggtggacc ttggcaacat gcagccacat ccgctcccag gtgtggctgt cgatagggaa 120  
cccgtctttg ttcacgtgga acagcaccac gccgtctttg tcctcctcct ccgagccccc 180  
gctagtggcg aggcacaccg gccgcgcgtg gctgctccgg gaccgggtgc ctttgatgct 240  
tttggggtgg gggcagcggg gagtgtcggc ggcgagccg gtcattgtga ggggcacgcg 300  
gcgagggggc ggaggacgcg ggtacgccgg ggatcagggc cccgcggggg tggcctttaa 360  
ctctcgcggc cg 372

<210> 447

<211> 482

<212> DNA

<213> Rattus norvegicus

<400> 447  
aaattggctg accaagggat tatcaactat ccttatttcta ccagagaagt tgtcaacatt 60  
gtcaaacact tagagaaatt ccctactgaa ggcctctcca gtgtgggttcg gaatgtattt 120  
gactttgatt cctacaacaa cgacatgagg gagattttga tgaacacttt gcacaaatat 180  
gggatcccca ttggagcaaa gcctaccaat gtgcagctgg caaaggagta aggaaacccc 240  
cgttggtata acctcaagca ttgtttcttct gactcctagc tcctaattcta ctgtagtca 300  
tactaggctg acttggtgtg gggaaccctc caggagtggg ggtcttcaga tgctactgtt 360  
tgctggctgg ttctcagtta agtggcatca ttatagtcc tgtaaattaa agatttcagt 420  
ttttatgact atcccatgag tagatgtaac aactcaaat aaagggaat atttgtttcc 480  
tt 482

<210> 448

<211> 475

<212> DNA

<213> Rattus norvegicus

<400> 448  
ttcaaagaac cgcagctggg tgtaoigtga gccccagagc ccagagtgat tgacagggag 60  
gggtgtgtacg aaatcagcct gtcccgtaca ggtgtgtcta ggggtgtgttt atatcctggc 120  
tttgtggact tgaaggaagc tgactggatc ttggagcggc tttgtcaaga tgtcccctgg 180  
aaacagagga tgggcatcag agaggatata acttatccgc aaccaagact tacagcatgg 240  
tatggagagc ttccttacac ttactcaaga gtcactatgg aaccaaattcc tcaactggctt 300  
cctgtgctgt ggactctgaa gagccgcatt gaggagaaca ctggccacac cttcaactcc 360  
ttgctgtgta atttttaccg ggacgagaag gacagtgtgg actggcacag cgatgatgag 420  
ccatccctgg ggagctgccc tgtcattgct tcactcagtt ttggtgccac tgggg 475

<210> 449

<211> 624

<212> DNA

<213> Rattus norvegicus

<400> 449  
aagcccatga gcaaattgttt ggaaaagaag tggtaattgt aaacttagaa acttgaaatt 60  
ttgacctgta actttttata cttctaggta atgtatatcc gacaaaaaac cattttgcca 120  
aggtcttaag gtcaataacta accaacattc tgatgtgtaa ttcgtgtgt gccctaacca 180  
ccattccata tgtaattttc atgtgtgccc gtggcttttt ggtagaaaaa gattttccaca 240  
ttctgtattt gtaattattt ttctcattac atatgttggg ttggtattca ataatttgga 300  
gtttgtaaaa tttaaagtcc taatttcaac catttgaact aaaaagtaca ggaggaatta 360  
tgcctgtggg tgttttggaa catacagaca tgatggggaa gtggtttctt tggcttcttt 420  
aggggaaatt gcctgaagga ctataaacga ggtatcttac ttattcttac aaatacttac 480  
agttgtgttt ctgtaagccc caggaaacct cttaaagatgc aaccagcccc tacaaggagc 540  
caccagaagt atttccataa ttataaacac ttatttctct tattaataaa gaccctgaat 600  
gtgcatcaaa aaaaaaaaaa aaaa 624

<210> 450

<211> 603

<212> DNA  
 <213> Rattus norvegicus

<400> 450  
 ttaaaagatt tactgatgag ctgctggcag gaagacaggc tgagagccag atttgagatg 60  
 gccataaata aaagagggtg gggggaaagg tttcccaaag ggaaaaccat ggggagggtc 120  
 acggtatcta tgcaagcagg cagactctgg cctgttctgc caagattaag tgggtaaagc 180  
 aactggaaac aatctgggtg tctgcacacg caagttacag aagctgaaaa cggcctccat 240  
 agccaggaga agctcacagc tgtgcgtttc tggggacccc tgagccaggg ctgttttctg 300  
 ggaccccgtc tttctggaat tttgagtcta tggcgagcag tcatcagtac taagatggag 360  
 ggaggcctag aaaaaaatag tttctcgagt tggcctttac accacgaact gattaatata 420  
 ggtttttctt ttgccctttg ggggcaaatt agtctaatta tgttaattaa aggaaagtgt 480  
 gggttttgtg tgaactgtat acttctctaa ataattggac agaaattcat aaaatttatg 540  
 tttactgaat ttataatatt aaatacatcc tttattttga aatgtcaaaa aaaaaaaaaa 600  
 aaa 603

<210> 451  
 <211> 623  
 <212> DNA  
 <213> Rattus norvegicus

<400> 451  
 taatgggaga gctctatctt ggggtgtcaat gtgattagaa ggatggctgt ttggagggtt 60  
 ttaacattga agacaaaaaa tccatgtttc cctattttac atatctagtg ctcccctacc 120  
 caacattaaa cctaaaagtt gtcaaatact ggtttgtcgt tcaccgagta gctttcacc 180  
 tgagaatggt tagagaaaca ggcaacagtc acatccatac caaggacaga agcagcttga 240  
 gcaggagtgt aggtggtgcc ctgcagttat cggatgtcag ttggtagccc agtttghtaac 300  
 ttagccaact gctttattga tttctagggg ttctaataaa ggcagactca agaggggaaag 360  
 gtcttcaact gagctgggtt tcccgtagtt ggtctctgtg aagagacagt ctgtgatgtc 420  
 ttgagtcttt ggatggtggc tcttccgcag ctgccttggc cttgaatcca tgcagtcttc 480  
 agagtgtaga gttggtacct tgttgacgtc ttcttactgt atcagtgaaa tatacacatt 540  
 gtcatgtcgg ttcttgccat gaatttctca atgaaaagtgg atttttttcc agtatttcaa 600  
 taaatattga tatgtccacc tgg 623

<210> 452  
 <211> 330  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 32, 128, 138, 140, 251, 284  
 <223> n = A,T,C or G

<400> 452  
 caaccatctc tagagtaaga gtctggcttc tntcttcttt aggtcaaagc aggttacaga 60  
 aatgctgcag tcatgcagtg aagcttttgt ttctactctg caggccccta aatcatctgg 120  
 gccagggnca ggccccntn tttccataga aaccatgttg gatgtgagct atgtcaaagc 180  
 ctagggcctt ttcccggtga cacaagcacc tcctagctag caaaatctat tgggttagctg 240  
 gagacgcttt ngtaacttta ttatgcttat caggtgacca caantggcaa tggattttta 300  
 tttatggacc agcaccceaa ccattttgaa 330

<210> 453  
 <211> 831  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 214

<223> n = A,T,C or G

<400> 453

```
gtttttgggcc tgtaaacctg attgaaatgg aaagcagggg tgactcattg ccaggagaag 60
gaaatgccat ggaaggtact gtagtttctg gagtcctttc tgaggacaca cagaccgtct 120
ggctctctgg gcagaaacag atctacccac tgcagtgacc tgactgactg tgctcagctc 180
ttcgccctcta tgaaatgtgc cctgcctgtt tgtntcatcc tgtcttctga gagcgtgggt 240
cacagacttt gtgtctgagt gaagggaacc cagggttcaga ttccgtttct ctgcttctgt 300
ctttttctca gcagcagggt taggaacagg ccttttgtgc acatacaaca gatgaagccc 360
atggatgagt ctgtgggaaa caccaacact catgcaccct gtgggtggac cctccttaca 420
cagcgcagag cagagagagc ccgggagggt ctgcaggctt cactgagctt tccttgccca 480
gactggcaac cgactttgct ctcttttgaa agactctagc taaagtcagc gttgttttaa 540
tccaagtga cacaagtct gtgacctgaa ctgtcttatg gctgctgctg ctgctgctgc 600
ttcttcttct tcttcttctt cttcttcttc ttcttcttct tcttcttctt cttcttcttc 660
ttcttcttct tcttcatagc taattaaata ccaaaaaata aaataaaaaat aaaataataa 720
agctttgtag tatacttgta cttagtttgg ggaaaaaatg aaattgtaat gcatttgtat 780
ttccatttct tgcaataaaa tatttttctt agtcaaaaaa aaaaaaaaaa a 831
```

<210> 454

<211> 676

<212> DNA

<213> *Rattus norvegicus*

<220>

<221> misc\_feature

<222> 39, 41, 59, 74, 75, 137, 170

<223> n = A,T,C or G

<400> 454

```
agcccatatc gttgaatctt tgagagaagt ttgatctant naacgaccag attttaatnt 60
acgtgaactt atcnnttgat tagtagtagt tgtctgcgta tgggcaaact agtattcaga 120
tacagtttca aggttangta tgaagctttg aggacctatg catccctgan tacccttcca 180
tttgtggcta ccgccgttac ttacaagctc tttgtgactg atgctctgca atcaggtaat 240
ataagccagg aaagctgtgt tctgagaagc tactgatcg gcgtagcctg tggggtctcc 300
tatcccagtg ctttggcctt ttataaaaaat ggacgcttag cagttaagta tcacactgtt 360

ccagtgccgc caaagggaag agttatgctc cattgggttac tcctttgtca aactgggatg 420
aaagcaatgg ccgttcctct gttgtttcag ataatatatt gagtgtttaa tggcttatat 480
cactatgctg tatgtgaaaa agcatatgca agaattgtgc ctgatgatta acccaagaat 540
cagtggaggc tagttcagta gaatgaacct ctttataaaa ggtctttggc actggtgtaa 600
aagtgaaaa gaaactctgct actttcacct agcattatga gatcctcagt aattataaat 660
gttataaatg ttaaac 676
```

<210> 455

<211> 695

<212> DNA

<213> *Rattus norvegicus*

<400> 455

```
aattcggcac gagggaagaa tctgagtcag caggagagct tttttttgcg gcatctcaat 60
tttgcccttaa ggagcggaag aaatactgga aacagatata tattatgcaa aaagaagctg 120
aatagcggga atgagaagac taaagagggt cgaatttctc ctaggaagtg ggatacaatg 180
tatatcacca cattttttaa tgaactgtgc gtaagaacct gagtcattgt gaatggttcg 240
aaatctcggg ttttcagctt gagaaaatga atacccatcc tccctccttt ctggattgta 300
atgaactctg agtgtgactt ggcatcacac ctcttatgta gattaaagcc ttgtaggtta 360
aataaataaa taaatctaag actggattat cagggtcaatt gtttactcag tccctttact 420
actaattttg agtggaattt tgagcctact gtcctgaaag tttaactacg taaaatcaga 480
agtgaatttt agaagtgtag tgccctccag atcttcaaag acaaacaaaa actccaggcc 540
tgtaaatgtg gatcactctt tttaaaaaat cagctaaaat gcaaacatgt ctctcagtac 600
ttgggccttc atctcctttg taattaaatt taaaacgtgg tttttaaaaa tatgttgtaa 660
caatcgtctt taattaaaaa taaggctcgt aaacg 695
```

<210> 456  
 <211> 582  
 <212> DNA  
 <213> Rattus norvegicus

<400> 456  
 agacaacatg tcagctttac tgaatatgca aacaacgggc taaagcgcat ccgtgtgaag 60  
 ttctatatcg agggctctga gccagggaag caaggaacgg tacacgcaga agtgggaagag 120  
 aacccgagga gtggccagtt tgattttcga tatataattg tggacgtggc tcctaaaaga 180  
 tctattgttg ttgaagataa ccgtttccaa caaagttaaa agcctcaagc cagtgcagtg 240  
 cttcctgccg agaatgaagg gatccgttct cactgcgatc ctcacaactc tcttccagaa 300  
 ttgtttcaaa aaaacaagaa taaagtatgt cacatggaaa ggaggtgcaa tgtgagtga 360  
 tgttcagtag tttggagaag cagatctttc ttgtgaaaaa tcatgagatg tagcaaattc 420  
 tatattatcc ttgacttgcc gatcatgacc gtatttcagc tctacattca tggtaaacct 480  
 ttgttactaa aattttatata ccacataagt aaaaccttca atattttatg ctattttaata 540  
 ttgtatggct tttatataat caacagaata aagattaaac ta 582

<210> 457  
 <211> 432  
 <212> DNA  
 <213> Rattus norvegicus

<400> 457  
 gcaggagttt ctgagtttgt cagtgatgcc tttgatgcct gtaacttaaa tcaggaggat 60  
 ttaagaaaag aaatggaaca gcttgtactt gataagaagc aagaggaagc aactgcatta 120  
 gaagaagatt ctactgactg ggaaaaggag ctacaacagg agctgcagga atatgaagtg 180  
 gtagcggagt ctgagaagcg agatgaaaac tgggataaaag aaattgaaaa aatgcttcag 240  
 gagagttaat tgtctcccca agccagttct taacgttgtg ctgacttcaa attctgatga 300  
 ttgctgagtc agaaggcaca aaagtgtgta actttatgca atatgaaatt attctttttc 360  
 tagctaaaac ttgcctctta aatgaacagc tattgtaata ataaaaaaca acaggatatt 420  
 gtaaaaaaaa aa 432

<210> 458  
 <211> 173  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 27, 46, 53, 122, 131  
 <223> n = A,T,C or G

<400> 458  
 ggaaaatgaa ggctttaatt gaaaatnttt cagactccta aatggncaat ganttcagaa 60  
 agactcctgg tttacctgtt ggcttgcaga gctgagtttg gctagtagaa atcaccagta 120  
 tntagtaaatt nctgactgt agtgetcatt ggtctccttc ttagcctaatt tag 173

<210> 459  
 <211> 318  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 34, 46, 283, 290  
 <223> n = A,T,C or G

<400> 459  
 gcctccgagc tcagtttgac ctcagcatcc agcnatggcg gcagtncacc tggagtcggg 60  
 cgcggtgctg gtgtccgagt ctctgcagg tcctcagatt accagtgact aaacttgcac 120

```

ctaggcagac cagccatgag agccactcag caggacttcg aaaatgcaat gaaccaggtg 180
aaactcttga agaaggaccc aggaaatgaa gtgaagctga gactgtatgc gctgtataag 240
caggccacag aaggaccctg cactatgcct aaaccaggtg tgnttgactn tgtcaataaa 300
gccaaagtggg atgcatgg 318

```

```

<210> 460
<211> 367
<212> DNA
<213> Rattus norvegicus

```

```

<400> 460
ggcacgaggg tgacataagg cttcatgctc tcagatgggc tttgtgtctt tggagaccca 60
cggaaggctt gagtgggtgtg gattctatgc aatgcaggac cgatagacct gtgttctgtc 120
catggcacac agtatcctct gttctgaggt gatggtgatg aggcactagg ggatgctctg 180
ttgatctctc actcagaaac actacaaatg tcaacacaag aactgacaca actttgcctt 240
aaagagcacc agactgggat tggtcgcatt gtgttaataa ggaagaccta gagtgttcac 300
tgatgtttac gattttaata tttctgaagg ccatcacagt ggcctgggta tgtgctgaaa 360
gccaaac 367

```

```

<210> 461
<211> 580
<212> DNA
<213> Rattus norvegicus

```

```

<400> 461
attttaggta gtttttttgt ttgtttgttt tgtttttatg agctggggta aagctgtgac 60
tttggatcaa aacaaaagat ccagagtttc taaatcaaag ggatcctctg aggctaggac 120
tgagaggact gactgggaga ggctgtgttc atgtgaacag ctaacgggtt tgttgttctt 180
taagtactta gaagaagtcg gtgttgatct ggagtctctt aaagctcctc atactggaac 240
actacctggc tgcggaccaaa gcagaacaga gccagccgc cctcctgtcc acacagctgc 300
ccgctgctgt gaaccagaac cgactgcac aggaactcac tttacaaaca gaaattgtga 360
aattttaagt gacattaatt tgtataaaat aacctgccct gctggaaacc agtgtttgga 420
tttggttctt aaatgatatt tttggagtga aaattagcac taaggtgata tatgactcca 480
gcaaaaatag tattctattg tattaatggg tactatattg atttgccaaa ttttgtgact 540
cagtaaaggc attcccttcc ttgaaaaaaa aaaaaaaaaa 580

```

```

<210> 462
<211> 366
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<221> misc_feature
<222> 317, 336
<223> n = A,T,C or G

```

```

<400> 462
caaaagctag aagaaaagcg agcctttgac tctgcggtgg caaaagcggt ggagcaccat 60
agaagtgaag ttcaggctga gcaagacaga aaggtagagg aagtcagaga tgccatggag 120
aatgaaatgc ggacccaact tgcacgacag gcagctgccc aactgatca tttgcgagat 180
gtcctcaagg tgcaagaaca ggaactgaag tttgaatttg aacaggacct gtctgagaaa 240
ttgtctgagc aagaattaga gtttcatcgt cgcagtcaag aacaaatgga caactttact 300
ctggacataa atactgncta tgcaagggtg agaggnattg agcaggctgt tcagagtcac 360
gcagtt 366

```

```

<210> 463
<211> 763
<212> DNA
<213> Rattus norvegicus

```

```

<400> 463

```

```

ccccctcaaca gggagcccag acaagcctgt actgtgccgt gacagaaggt atcgagggcc 60
taagtgggaag tcattttcagt gactgccagt tggcatgggt ctctagccaa gctggcaatg 120
agacaatagc cagacggcta tgggatgtca gctgtgacct gctgggcctc cctatggatt 180
ggtaagttagt ggcagtttgg ctcaaaagaa gatttgaaga gctgatgatt gtccttcaaa 240
gtggccaaaa ccttgaagat gaagaaggca gaacttcaag cctcgccctgc ttggcatcca 300
gttaaattccc agtatactgc caggttcctc taaacccttt cagtttgtcc tgacttattc 360
tgttcctgct cctgccagcg tttctagtag tatcatggac tgagacagag gaccttccta 420
tgaccacac agatccatt ttcctttgga agctactcct aaccaggagc agaaagcgat 480
ataaaggctg gtgtgtggca acgtggatta gatggagctc tcccagcca accatccttt 540
ccttgtgctc cattggaacc tcaggtgaac ctgaggagtc cagtgcctg gcccaagagc 600
aggtctttgt ggtcccaaca tctggatact taacaaaagt ttctactaaa tctggcagtt 660
tgaagctttt gataccaaaa cacttttcta taccagagcc acagaagagc ttccttctct 720
aagaagtttg tgaaatttga agaacagaaa taaaaataaa gcc 763

```

```

<210> 464
<211> 299
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<221> misc_feature
<222> 21, 56, 124, 204, 271
<223> n = A,T,C or G

```

```

<400> 464
ctgaacattc accctattat naagccatga agcagaaaca gactgaggtg ctcttntgct 60
acgagcagtt cgacgagctc actctgctgc acctgcggga gtttgacaag aagaagctga 120
tctntgtgga gacggacatc gtcgttgatc actacaagga ggaaaagttt gaggacacat 180
ctccagctgg tgagcgccctc ttnagaaag aaacagaaga gctaattggca tggatgagga 240
aatgcactgg gggccccgtg tcaccaatgt naaggtgact tttccgcctt ggacaacca 299

```

```

<210> 465
<211> 407
<212> DNA
<213> Rattus norvegicus

```

```

<400> 465
ggcacgaggg tttttttttt ttcagttccg tgcagtgaag gtctttgttc tgacagtga 60
tctcagtttt attattattc tcaagcaact gcaatttcct agcaggcaac actgtacttt 120
tctcggtccc ctctgttttc taggcactgt tcgataatta tgccttctgt ttcaatggag 180
tggatgggca ttgtttcctt ttgcaggaca gcaggttact gggagccctt aaggtctgtc 240
aacatcagtt ccatttgtaa tggctaaaga atccacttga gaagttaaga gggcttgagt 300
tacttcatgt gaacatctct tattagttac caagttatat tcacagttga aatgtgtcaa 360
aataaagaat cattctgtat tacagatttc acaaaaaaaaa aaaaaaa 407

```

```

<210> 466
<211> 236
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<221> misc_feature
<222> 111, 141, 226
<223> n = A,T,C or G

```

```

<400> 466
caccactccc cctcctcaag taggcaggag gggaaactcat tccatgcctc cttttctcac 60
tcagctgtat ttacactctg tgcaaagggc caagttattt agaattgatg ntctcaacct 120
ccctaactac gcagccctgg ngaaccccat cataaaatta cctttgttgc ttctgtacaa 180
ctgtaatttt gctactgcta tgaattataa cataaatggg gaatgngcag gatatc 236

```

<210> 467  
 <211> 284  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 3, 5, 52, 73, 134, 147, 167, 185, 186, 200, 221, 229, 248,  
 254, 260, 263, 270, 278  
 <223> n = A,T,C or G

<400> 467  
 tantnaaagg agcttctctg tctaccctcc tagtcctcgg gacacccgaa gnccagagta 60  
 gggattcccc gcnggcaaaa aggtgaccag gagccttccg ggatgtctga gctggagaaa 120  
 ggccatgggt tgcnctcatt gatggtnntc ccatcagtat tcaaggnaga gaagggtgaa 180  
 caggnnaciaa gctgaagaan gtccagaact gaaggagctc ntcaccaang agctctctca 240  
 ttcctggnag gaantccaan gancaggaan tgggtggcnca aatg 284

<210> 468  
 <211> 376  
 <212> DNA  
 <213> Rattus norvegicus

<400> 468  
 ggtaagtgt aaggtcaaag ggcaactaga ggaaatctgc tatctccatc cagcatttgg 60  
 gaaggccatc agaattggcc gcatgtgctt tccctgttga accatctctc cagccctgaa 120  
 tagtcctagt tattactgag gcaggggtcta ctaggtggcc ccgattggac tggaaacttat 180  
 tacacagacc aagctggccc ctttctgctt cctgagtgtc gggattaaaag gtgtgcacca 240  
 taatgccaaag cactaaaattt aaagtcacac acttctgtag taccaagtga cattatgtta 300  
 ccttattttg aattatttaa tatactgttt ttcaacatca aaaaaaaaaa aaaaaaaaaa 360  
 aaaaactcta gcggcc 376

<210> 469  
 <211> 464  
 <212> DNA  
 <213> Rattus norvegicus

<400> 469  
 aggagagctc catggacggg tggattcttt gctccagtgg ggcactagct gcacatgggt 60  
 ccttgaccat acatgatctg tgtctctggc tggtaatgtt gcctgcagcc cacacacctc 120  
 cagggtccac actgagatat gcaagggtgaa gtgcaggcag gatcagagat acccaagtag 180  
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<213> Rattus norvegicus

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<211> 446

<212> DNA

<213> Rattus norvegicus

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<212> DNA

<213> Rattus norvegicus

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<210> 482

<211> 1580

<212> DNA

<213> *Rattus norvegicus*

<400> 482

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<210> 483

<211> 1619

<212> DNA

<213> *Rattus norvegicus*

<400> 483

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<210> 484

<211> 3327

<212> DNA

<213> *Rattus norvegicus*

<400> 484

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<210> 485

<211> 1451

<212> DNA

<213> *Rattus norvegicus*

<400> 485

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<210> 486

<211> 1928

<212> DNA

<213> Rattus norvegicus

<400> 486

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<210> 487

<211> 1589

<212> DNA

<213> Rattus norvegicus

<400> 487

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<211> 2117

<212> DNA

<213> *Rattus norvegicus*

<400> 488

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<210> 489

<211> 4779

<212> DNA

<213> *Rattus norvegicus*

<400> 489

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<211> 3397

<212> DNA

<213> *Rattus norvegicus*

<400> 490

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<210> 491

<211> 157

<212> DNA

<213> Rattus norvegicus

<400> 491

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<210> 492

<211> 946

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<222> 138

<223> n = A,T,C or G

<400> 492

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<210> 493

<211> 2742

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<222> 2646, 2647, 2648, 2649

<223> n = A,T,C or G

<400> 493

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<210> 494

<211> 1453

<212> DNA

<213> *Rattus norvegicus*

<400> 494

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<210> 495

<211> 1435

<212> DNA

<213> *Rattus norvegicus*

<400> 495

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<210> 496

<211> 4349

<212> DNA

<213> Rattus norvegicus

<400> 496

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<211> 2449

<212> DNA

<213> Rattus norvegicus

<400> 497

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<211> 460

<212> DNA

<213> Rattus norvegicus

<400> 498

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<211> 2557

<212> DNA

<213> Rattus norvegicus

<400> 499

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<210> 500

<211> 1836

<212> DNA

<213> Rattus norvegicus

<400> 500

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<210> 501

<211> 2849

<212> DNA

<213> Rattus norvegicus

<400> 501

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<211> 1433

<212> DNA  
<213> *Rattus norvegicus*

<400> 502

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<213> *Rattus norvegicus*

<400> 509

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<210> 510

<211> 318

<212> DNA

<213> *Rattus norvegicus*

<400> 510

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<210> 511

<211> 493

<212> DNA

<213> *Rattus norvegicus*

<400> 511

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<213> *Rattus norvegicus*

<400> 512

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<211> 2037

<212> DNA

<213> Rattus norvegicus

<400> 513

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 <213> Rattus norvegicus

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<210> 518

<211> 1806

<212> DNA

<213> Rattus norvegicus

<400> 518

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<210> 519

<211> 3032

<212> DNA

<213> Rattus norvegicus

<400> 519

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<211> 553

<212> DNA

<213> *Rattus norvegicus*

<400> 520

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 <213> Rattus norvegicus

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<210> 524

<211> 485

<212> DNA

<213> Rattus norvegicus

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<212> DNA

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<210> 526

<211> 3726

<212> DNA

<213> Rattus norvegicus

<400> 526

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<210> 527

<211> 229

<212> DNA

<213> Rattus norvegicus

<400> 527

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<210> 528

<211> 999

<212> DNA

<213> Rattus norvegicus

<400> 528

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<210> 529

<211> 1203

<212> DNA

<213> Rattus norvegicus

<400> 529

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<210> 530

<211> 547

<212> DNA

<213> *Rattus norvegicus*

<400> 530

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<210> 531

<211> 663

<212> DNA

<213> *Rattus norvegicus*

<400> 531

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<210> 532

<211> 445

<212> DNA

<213> *Rattus norvegicus*

<400> 532

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<210> 533

<211> 1058

<212> DNA

<213> *Rattus norvegicus*

<400> 533

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<210> 534

<211> 1949

<212> DNA

<213> *Rattus norvegicus*

<400> 534

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<210> 538

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<212> DNA

<213> Rattus norvegicus

<400> 538

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 <212> DNA

<213> Rattus norvegicus

<400> 539

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 <212> DNA

<213> Rattus norvegicus

<400> 540

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<211> 2121

<212> DNA

<213> Rattus norvegicus

<400> 541

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<211> 993

<212> DNA

<213> Rattus norvegicus

<400> 542

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<212> DNA

<213> Rattus norvegicus

<400> 543

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<211> 1952

<212> DNA

<213> Rattus norvegicus

<220>

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<400> 544

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<210> 545

<211> 1390

<212> DNA

<213> *Rattus norvegicus*

<400> 545

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<210> 546

<211> 2619

<212> DNA

<213> *Rattus norvegicus*

<400> 546

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<210> 547

<211> 2133

<212> DNA

<213> *Rattus norvegicus*

<400> 547

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<210> 548

<211> 2133

<212> DNA

<213> *Rattus norvegicus*

<400> 548

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<211> 7286

<212> DNA

<213> Rattus norvegicus

<400> 549

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<400> 897

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<212> DNA

<213> Mus musculus

<400> 898

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<212> DNA

<213> Mus musculus

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<211> 3032

<212> DNA

<213> Mus musculus

<400> 900

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<210> 901

<211> 594

<212> DNA

<213> Mus musculus

<400> 901

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<210> 902

<211> 639

<212> DNA

<213> Mus musculus

<400> 902

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<210> 903

<211> 1174

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> 442

<223> n = A,T,C or G

<400> 903

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<210> 904

<211> 1649

<212> DNA

<213> Mus musculus

<400> 904

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<210> 905

<211> 1900

<212> DNA

<213> Mus musculus

<400> 905

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<210> 906

<211> 2574

<212> DNA

<213> Mus musculus

<400> 906

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<210> 907

<211> 192

<212> DNA

<213> Mus musculus

<400> 907

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<210> 908

<211> 2210

<212> DNA

<213> Mus musculus

<400> 908

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<211> 1013

<212> DNA

<213> Mus musculus

<400> 909

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<212> DNA

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<211> 747

<212> DNA

<213> Mus musculus

<400> 911

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<211> 1033

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> 8

<223> n = A,T,C or G

<400> 912

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<211> 787

<212> DNA

<213> Mus musculus

<400> 913

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<211> 6576

<212> DNA

<213> Mus musculus

<400> 914

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<212> DNA

<213> Mus musculus

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<212> DNA  
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<211> 1214

<212> DNA

<213> Mus musculus

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<212> DNA

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<212> DNA

<213> Mus musculus

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<211> 3001

<212> DNA

<213> Mus musculus

<400> 924

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<212> DNA

<213> Mus musculus

<400> 925

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<211> 1006

<212> DNA

<213> Mus musculus

<400> 926

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<210> 927

<211> 2055

<212> DNA

<213> Mus musculus

<400> 927

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<211> 1564

<212> DNA

<213> Mus musculus

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<211> 1196

<212> DNA

<213> Mus musculus

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<211> 1743

<212> DNA

<213> Mus musculus

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<210> 931

<211> 2795

<212> DNA

<213> Mus musculus



<400> 931

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<210> 932

<211> 2440

<212> DNA

<213> Mus musculus

<400> 932

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<210> 933

<211> 844

<212> DNA

<213> Mus musculus

<400> 933

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<210> 934

<211> 318

<212> DNA

<213> Mus musculus

<400> 934

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<210> 935

<211> 2998

<212> DNA

<213> Mus musculus

<400> 935

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<210> 936

<211> 543

<212> DNA

<213> Mus musculus

<400> 936

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<210> 937

<211> 980

<212> DNA

<213> Mus musculus

<400> 937

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<210> 938

<211> 1870

<212> DNA

<213> Mus musculus

<400> 938

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<211> 2154

<212> DNA

<213> Mus musculus

<400> 939

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<210> 940

<211> 1138

<212> DNA

<213> Mus musculus

<400> 940

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<211> 3187

<212> DNA

<213> Mus musculus

<400> 941

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<211> 1871

<212> DNA

<213> Mus musculus

<400> 942

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<210> 943

<211> 1876

<212> DNA

<213> Mus musculus

<400> 943

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<210> 944

<211> 2772

<212> DNA

<213> Mus musculus

<400> 944

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<210> 945

<211> 1846

<212> DNA

<213> Mus musculus

<400> 945

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<210> 946

<211> 1893

<212> DNA

<213> Mus musculus

<400> 946

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<211> 11009  
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<400> 947

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<211> 1888

<212> DNA

<213> Mus musculus

<400> 1023

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<211> 2109

<212> DNA

<213> Mus musculus

<400> 1024

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<211> 1982

<212> DNA

<213> Mus musculus

<400> 1025

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 <213> Mus musculus

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 <212> DNA  
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<211> 1523

<212> DNA

<213> Mus musculus

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<211> 1260

<212> DNA

<213> Mus musculus

<400> 1029

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<210> 1030

<211> 2070

<212> DNA

<213> Mus musculus

<400> 1030

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 <212> DNA  
 <213> Mus musculus

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 <211> 1353  
 <212> DNA  
 <213> Mus musculus

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<210> 1033  
 <211> 866  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> 683, 726, 779  
 <223> n = A,T,C or G

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 <211> 870  
 <212> DNA  
 <213> Mus musculus

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 <211> 2300  
 <212> DNA  
 <213> Mus musculus

<400> 1035

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<210> 1039  
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<220>  
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<210> 1040  
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<210> 1041  
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<212> DNA  
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<210> 1042  
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<212> DNA  
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<212> DNA

<213> Artificial Sequence

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<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide probe

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<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide probe

<400> 1045

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<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide probe

<400> 1046

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<211> 60

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<213> Artificial Sequence

<220>

<223> oligonucleotide probe

<400> 1047

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<210> 1048  
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 <223> oligonucleotide probe  
  
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<210> 1049  
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<210> 1058  
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<211> 1749

<212> DNA

<213> Rattus norvegicus

<400> 1059

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<210> 1060

<211> 1233

<212> DNA

<213> Rattus norvegicus

<400> 1060

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<210> 1061

<211> 559

<212> DNA

<213> Rattus norvegicus

<400> 1061

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<210> 1062

<211> 1782

<212> DNA

<213> Rattus norvegicus

<400> 1062

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<210> 1063

<211> 1498

<212> DNA

<213> *Rattus norvegicus*

<400> 1063

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<210> 1064

<211> 676

<212> DNA

<213> *Rattus norvegicus*

<400> 1064

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ttgtgcctc	tcaggagttg	tatgcacaag	cattcagcag	tgctgctgat	gccgtctagg	240
gaaccttatt	tccgtttctc	aaggcagggg	cctcagactg	ttctcgatct	gctgtagaac	300
ttcactgtgg	gggtgccaga	acccacact	cttgaccagt	ctggaagagg	ttacactcaa	360
taaaactctc	agctcgagct	tatgcaatga	ttggtaaaag	ttttggcaat	tgtagaatt	420
aggaaatgat	cctagaaata	tatgtaaaag	attcaatttt	caatcatttt	tcaaatctact	480
gttttaaatt	gttttgctga	gttgtaatac	ttttgagata	caatgtattc	cttgactga	540
aagaatgaaa	aaggactttt	tcagcatttg	aggtaaagtt	tttaacgttt	cattaaaaaa	600
cattttttac	aaatattttg	tacatgcact	tgcagtattg	aggttaatca	ttttaataaa	660
ttcggaaatt	aaaatg					676

<210> 1065

<211> 682

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<222> 267, 544, 623

<223> n = A,T,C or G

<400> 1065

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aacaggctac gacaggctac ttccggagaac tagctgctgg attattctgt gtccccctccc 120
actctccccg cccaagtctc tcttcaccct tctccccgcc ttgctcgtgc agccatggcg 180
gagtcacgag cgccactca gtctccgtca gtctcctcgt cgtcctccgg ggccgagccg 240
tcaacgcttg gcggcgccg cgggagncct ggagcctgcc ccgccctggg ggcgaagagc 300
tgccgctcct cctgtgcggt gcatgatctg attttctggg cgagatgtga agaagactgg 360
gtttgtcttt ggcaccacgc tgatcatgct gctctctctg gcagctttca gtgttatcag 420
tgtggctctt tacctcatcc tggctctact ctctgtcacc atcagcttca gagtctacaa 480
gtctgtcatc caagctgtgc agaagtcaga agaaggacat ccattcaagg cctacctgga 540
tgtngacatt aactggcct cagaagcttt ccacagctac atgaatgctg caatgggtgca 600
tgtcaacaag gccctcaaac tcnttattcg tctctttctg gtagaagact tggttgactc 660
cttgaagctg gctgtcttca tg                                     682
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<210> 1066

<211> 381

<212> DNA

<213> Rattus norvegicus

<400> 1066

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gaaggagacc tggagaagcc tgagggctga cctgggcctg gctgcatggc cccaagtgtc 60
ggggacctta taaggcagca tgcccagttc acagaagatg ttactagcct ataccggtcca 120
tgacacattg agtggctgct cctgtcactc ttgggtaaca gcaacacaca tttgtaaggg 180
taaagggtta agtcaagcta actgagacac tgaatctctt ccctccagc tgaaggcttg 240
cgtgccctgg cctctgccaa ctgtaagcta ccttgggtac tcccaggggt cagctcccca 300
ctggtaggtt tttccttctg tctttctgtc tgcttggggg ctctgtctgc ttgggaggag 360
agccccctcg atttttctat t                                     381
```

<210> 1067

<211> 572

<212> DNA

<213> Rattus norvegicus

<400> 1067

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ctctgttgta cctgatgaag tagccaccat tgcattccgag gtcacctcat tctccaggcg 60
cttcactcac gtcctcaccg cggggggcat tgggtccact catgacgatg tgacctttga 120
ggcagtgagg ctggcttttg gggaggagct caaaccacac cctgagctcc aagcagccat 180
caaaacccta ggaggggagg gttgggagaa gctgtcgatg gtgccctcct ctgccaccg 240
accctggctg gccttcattc atgcgcacat acccgctgct ggactggacc tacagaaaca 300
tctgggaatt tctgcggcag ctgtttgtcc catactgcat cctgtatgac agaggggtaca 360
catcactggg gagtccggaa aacacaaaagc agaatccggc cctgaagtgc ctgagcccag 420
gagggcaccg tgtctaccgc ccagcatacc tcttgagaaa tgaggatgag gaaaggaact 480
cccgaatgtg atctcacaca agcttgggac aagacagagg gaagggggct ggcctggggg 540
aacctgtcat gtcagtaaatt tgtacctcat gt                                     572
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<210> 1068

<211> 444

<212> DNA

<213> Rattus norvegicus

<400> 1068

```
ccaagaaaaa gatgggtggtg atgcacccaa tgcttcgtgt caatgagata agcgtggagg 60
tggactcgga ccccagagca gcctattttc gccaaagctga gaacggcatg tacatccgca 120
tggctctggt tgccaccgtg ctaggcgctt tttaggaccc agccttctct ctcgtctctt 180
```

caggcccagg	caggcaaccc	cgatgcccc	cacgggggca	gcacgcttag	cagacatcct	240
ggagcataca	ggcagcccaa	gcacatatgt	acaaactggg	accttgctct	aggctccaga	300
ctagggaact	ttctgacttt	gggttacagt	ctcagatcct	gggagcccct	ctgcctcatc	360
tccgttctta	cacctcagat	ctgtacagtt	acttttgtac	tgactgtaat	aaaacagcca	420
agcagttaaa	aaaaaaaaaa	aaaa				444

<210> 1069  
 <211> 503  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1069						
aaccgacagc	tgagaagccg	gatagcttct	gacttagagt	gcacgcacct	aagtcctcaa	60
ctggaccttg	atagccaaca	aatgggagca	gtgtcttgtc	tcttttagcac	ctttaacatg	120
gtctccggcc	cacatgagtc	caagccagaa	atgggtcaca	gtggaaggaa	ggcacctcca	180
tttctatctt	gaacagatca	cctgggtctct	gagttattct	ggcgctaact	ccatgaaccg	240
ctcttccaca	cgtctgtccc	tactctggca	tcttgcacca	ctgggctcca	cagtacatcc	300
atgtgtcctt	cccatgtgtg	agggttaactg	actgtccagt	gagtgtcgct	gtttgggtcca	360
ctggctctcc	ttacagaaac	aaagagcagc	ggtgcgaggc	agtgtctggt	ttgtctcaaa	420
gccatattgc	tgtggttatt	actgtctgac	ttgtgtgtcc	agtccaaata	aaggtagctg	480
ctgatcaaaa	aaaaaaaaaa	aaa				503

<210> 1070  
 <211> 502  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1070						
gtgatgtaca	ctgcttggtg	cccccccca	ccagtgcctc	cctctttttt	ggcttccaga	60
ggaactgagc	ctgagtgggc	tctgccagt	tctagtggag	ctgtccacgc	agccagccac	120
tgtgtgttat	ggttctgcca	ctaccagga	ggcagcccga	ggtgatgctg	ctcgccgcgc	180
actacagtac	ctcaggatca	tggccggtag	caaatagcac	ccactacagt	gatggatata	240
tgttacttct	tgctccttct	gccctgggtc	tatgcgtctg	cctagctctg	gtgccctcca	300
gaggtgccat	ctctacctct	gacacagctt	gcctgccttg	agactgagga	aggcaaaggc	360
aagcaaggag	ccatgaacca	cagggcccca	gccagcgag	ggtttgcctt	cattccatgg	420
atgatgaatg	aaaggaaatt	ggaattctat	tggaatccag	aataaatgct	gctctttggc	480
ttcttaaaaa	aaaaaaaaaa	aa				502

<210> 1071  
 <211> 561  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1071						
ccattataat	ttatctctct	atthttgggc	ttctgcttct	gtacatggta	taccttacct	60
ttagttgagc	ccatcctgaa	gagacgcctc	tttgacact	cccagctgtt	gcagagtgat	120
gacgacattg	gggaccacca	gcctttttgca	aatgcacatg	atgtgctggc	ccgctctcgc	180
agccgagcca	atgtcctaaa	caaggtggag	tacgcacagc	agcgtggaa	gcttcaggct	240
caggagcagc	gaaagtctgt	ctttgaccga	catgttgctc	tcagctaact	gggaactgga	300
ataaagggtga	ctagaaaaac	catggcagac	aactgagaag	gattgactgg	gtgtctgtgc	360
atthttaattc	cctgtttgtt	tttacaaaac	cttgctggat	ggaggaagac	tcaaaactgg	420
aaacaaaccc	tgtgcttagt	gtttttcttg	ttaatgtatt	aatagagaca	tttttaaagc	480
acacagttcc	aagtcaacca	gtaaaccctt	tcctacttgt	gacttttact	aataaaatta	540
agctgcctgt	gagttatctt	t				561

<210> 1072  
 <211> 317  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1072



```

gtcccatatt atgagtggct ggatttgaag tctgaatggc agaaaaccgc ctacctcaag 60
gacaagatgc gaaaagcagt ggctgaggag ctggccaagt gacctttccc atctgttcag 120
actgcatctg aagacctgag ggctcagggg cccagaccca gcagtgagtg ctgggcccgc 180
cagagttgtc acccatcagc gagatgaact ctctgtagga ccttgccac agtaggggt 240
gctcagcagc tcccagggca ggcggtccta ataaatcact tgttttggtg gatgccgggt 300
ctcttccag gctctgt 317

```

```

<210> 1073
<211> 491
<212> DNA
<213> Rattus norvegicus

```

```

<400> 1073
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aggtctgccc gtacacatgc tgttcctgag attctacagg cgcgataagg aggatcttta 120
ccggaccttt gatgcctttt ccaccttcta cctgaattcc agtggcctca tttgtcgcca 180
tcacctggac aagctgatgc cttcacactc accatcaacg cctgtgaaaa agctgcttgt 240
gggagccctg gtggccctgg ggctgtcaga acctgagccc agcttacacc tgtgctccaa 300
gacctgatcc agacttgggt gaaggccgca ctgaagactg ctacgcacaa aaggagggtg 360
aggtagacag gaatgtcgtg ccagctgccg cctccactc tccttccttc tcccatcat 420
gctgtgtaaa gctgctgtgt aatttaactt gtaaataata aagtttaagc aatgataaaa 480

```

```

aaaaaaaaaa a 491

```

```

<210> 1074
<211> 475
<212> DNA
<213> Rattus norvegicus

```

```

<400> 1074
ggagcgtctg ttctaagtac aaaccctgtt ggagctgtcc tgggtagggt tttcacacag 60
agcttcgtgt taccgtgtgg tttgggtttt gttgttgttg atgttcgttc tatctttttt 120
ctttttcttt tctgtgctct ttggggggaa cacacgttaa gaattatata tggtttctac 180
ttaaagttag tgcttagggt taattttttg tactgaagtc tttattggtg ggtgcatgct 240
actgggaaca aggttttgta caaaagggtc aatcagaatc actgtgcatt actgagacct 300
tgtctatcac aagccttctg tccccacaca gaagactgtc agagtgaaca aaataatatg 360
tattttgatt tacttaagt cttgtaaatt tcttagggac ctgccacttt tgactgtgga 420
tcagttgatg tatacttgta ttattaatgc ctcaataaat cactgtggcg gatcg 475

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```

<210> 1075
<211> 351
<212> DNA
<213> Rattus norvegicus

```

```

<400> 1075
cgctccctg ccccttcgc tcagcagcgt gccggtcggc gcgacctcc ccgcctcgg 60
cagcgtcttc ccacaagcg gagccttcgc cccgccgcg cgcagcctgc ctccagcgtt 120
gctgccacg tcagaccgg tggggccatt gccccgcag gctggcacta atcccttcct 180
ctgagacgct tcagcgcctg cgcgcgagg cccgcctcct cgaggcgga tctgcaagt 240
tgagcattgg atctgtggac ccctgacaga tcctgaaacc aagctaggga ctgactgcat 300
cttgggatcg aggactacg ccgcctaata aagactggaa tctacgtcct c 351

```

```

<210> 1076
<211> 329
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<221> misc_feature
<222> 53
<223> n = A,T,C or G

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<400> 1076  
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cggctgtccg aaagtgttgt gaaccgcatg aaggattgca gccagccttc agcaggggaa 120  
cagctggctc ctggtcctgg tcctgagtgc tccgttcctg tgcccactgt ccctcaacca 180  
accattccag tgcttactgt tccttcaccc tctgtatgtg ggcccgcaga aggcacctat 240  
aaagcccctc agggagactt taaagtgtcc agggcagaga atagtgatgg ccagcagtcc 300  
tcagcagtta aggaggatct caagaagtt 329

<210> 1077

<211> 455

<212> DNA

<213> Rattus norvegicus

<400> 1077  
gtgcggtact tgcagcagcc cgactgtctg ctcggtggga ccaacatgga caaccggctc 60  
ccgttagaga acgcccgttt cattgcgggt accggctgtc tgggtgcgagc cgtggagatg 120  
gccgccagc gccaggcgga catcatcggt aagcctagcc gcttcatctt cgactgcgtg 180  
tcccaggagt atggtatcaa cccggagcgc accgtcatgg tgggagaccg cctggacaca 240  
gacatcctcc tgggctccac ctgtagcctg aagactatcc tgaccctcac cggagtctcc 300  
agtcttgagg atgtgaagag caatcaggaa agtgactgca tgttcaagaa gaaaatggtc 360  
cctgacttct atgttgacag catagccgac ctcttgctg cccttcaagg ttaaagatct 420  
cgtgtcttta atctctggaa taaaaaaaa aaaaa 455

<210> 1078

<211> 494

<212> DNA

<213> Rattus norvegicus

<400> 1078  
cggcacgagg caaaacgctc ttaggaagtt taaggcccaa aggaggtccc agggccaatg 60  
gccggagctg ggccgaccat gctactacga gaggagaatg gctgttgagc tcggcgctcag 120  
agcagctcca gcgcgggga ctctgatggg gaacaggagg actcgctgc agcgcgtgcc 180  
cggcagcagc tagaggcatt gctcaacaag accatgcgta ttcgtatgac agacggaagg 240  
aactagtgcg gctgcttcct gtgcaccgat cgtgactgta atgtcatcct gggctctgcg 300  
caagaattcc tcaagccttc tgattcattt tctgcggggg aaccccggtg gctgggtctc 360  
gccatggtac caggacacca catcgtttct attgaagtcc aaaggagag tctgtcgggg 420  
ggcccgatc tctgaccagc attgcacttc tctttgagac cattaaacc tatgaccaa 480  
aaaaaaaaaaaa aaaa 494

<210> 1079

<211> 366

<212> DNA

<213> Rattus norvegicus

<400> 1079  
aaggtagaaa tgggtacctc aagtcaaaat gatgttgaca tgagttggat tcctcaggaa 60  
actttgaatc agatcaataa agcttctccg agaaggctgc ccaggaagcg ggcacagaag 120  
agatcgggtg gatctgatga gtaaatgttg tttgtgcaac agtccagtct gtgctcccct 180  
gccctcatgt tctccgcctc gtgggaatta gtgcagagaa cgtgtcacca cagaaggcag 240  
cttctgctta tgtgtggact gagcagtcgg aatctgtggc cataagattg ctgaaaatgc 300  
actgcatttg ttttctaaag taacaaattt gggttttttt taaaaccatt aaactgtatg 360  
ggtgtg 366

<210> 1080

<211> 623

<212> DNA

<213> Rattus norvegicus

<400> 1080

atgtctttac	gtctgccaat	caggggtggtc	gtgagtactc	aggaaacaga	ggcaggagga	60
ttttctcgag	tttgaagcca	ccctggtcta	catactaaaa	cagatgttgg	gcgctgagaa	120
tatagctcag	tcattgcaat	tcttgctgtg	ctcgtttgaa	gatctcattt	ggatcctggg	180
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tccctagggc	ttcctagcta	gggaacctga	tctgcctggt	gagttccagg	gcagtggagg	300
atccccatctc	aaataacaag	gtgatgactc	ccgaagaacc	tctggcttct	acctgcacgt	360
gtacccatct	gcacatggac	ctctgaacgt	gtctgccagt	gtacacagac	atagggccag	420
ggccgggatt	cagttaatag	ggactgcatc	aaagtcctgg	attccatccc	taaccacata	480
aatcactcac	agtggctcgc	acctgtaatc	ccagaaccca	ggatgtacat	gttggaaaag	540
tagaagttta	aggtcatcgt	tggccagcca	gagctccatg	aaaccctgtc	tcagaaacaa	600
taaagtggaa	cgccccaaa	cag				623

<210> 1081

<211> 711

<212> DNA

<213> Rattus norvegicus

<400> 1081

agatgaagat	ccaggaggac	catagtctgt	gtggagagaa	accctctatc	tcggtgtgta	60
ccgtggagct	gagcaaagaa	acgtctggaca	ccatgttaga	tgggctgggt	cgcattcggg	120
accagctctc	tgctgtagct	aataagtaag	gccagcagct	attggcctgg	gaggggtgtg	180
ctgcccggac	agaggctgac	agtggcagac	agtggggtgg	aagggtgtgt	gtcacacaga	240
aggcacagt	gaggaaagga	agcggccata	cccatgcccc	tgcccacggc	tcctctcttc	300
tcttctctct	tttgtttttc	ctgaagatga	gcaaagcctc	catctctgag	aaggccctgt	360
gtggaggtaa	accgccttcg	gccatgcaaa	ggagcaggtt	cttcatcagc	cgctgtgca	420
ctgctataaa	gaactcaggc	cggtgctggg	cactcaccta	atgatttacc	tccagctcac	480
atgagctcgt	ttccagccca	gaatacatga	gggaattggg	gatgatgcca	gcagtgcctg	540
cttccccatc	acagacgtca	gcagacacat	aacgatcccc	taagaccctt	ctctgagctt	600
gcagccctgc	tggggccacag	ctccaatgca	gaaagctgga	acacaccact	ggccactatt	660
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<210> 1082

<211> 529

<212> DNA

<213> Rattus norvegicus

<400> 1082

tggattgaag	gggacagaag	cagaaagtaa	ctgtcacctt	cacaactaat	aataaaaaatg	60
tgaccgggta	aagctgcgag	acagcgagac	atcactacgt	cactatgaga	cgtgacagga	120
tctttttcct	cctcgtaaat	gcacttttgc	ctctgggctg	ctgcctctga	ggcagtgagc	180
gggcacactg	aagatgtctc	ttctttgtag	atccacattt	gttttgattt	atttctgcat	240
cataaagtgg	aatcatcact	cttgaagatc	actgcaaaac	ccaacatgtc	ggcaactgac	300
ttcatcatga	acgtacaaac	gggcagagag	tgaggagcgt	ctgtgcatct	ccaagctttg	360
gctgcacaga	agtcacctta	gaaacacatt	cgctataaga	agcaggcaga	gtcactcccc	420
gtccttgatc	ctgagtcgca	gagttgggccc	tcgtaggaaa	ctggaaagga	catttgacaa	480
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<210> 1083

<211> 418

<212> DNA

<213> Rattus norvegicus

<400> 1083

gtgagcgtaa	gcattggaaa	aatatgtgta	gtcttatctt	tttataagac	gatttttaata	60
aactaaaatc	acaaatgctg	taaagtttga	gtgcaccaga	atggaggcta	acttcataaa	120
cattgtgctg	tgcgaatatt	cctaaaatga	tccccaaagt	gtggttttct	agaagacata	180
gttcagaacc	gcttttgaaa	aatctgtcct	cgtgagctca	ctcagtttct	gtcggacttt	240
tagagacagt	ggaaggatta	cctcatttag	acgtttccgt	gtcctcttca	actccacagg	300
gtcttgacgg	tggctttgtt	tttccttcta	gactattcaa	acatgtagat	aagtttatatt	360
tttctttaag	tgtttaaggt	aaacactttt	caagaaaact	taaaaaaaaa	aaaaaaaaaa	418

<210> 1084  
 <211> 253  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 111, 122  
 <223> n = A,T,C or G

<400> 1084  
 ctacggctgt aagaccacag ccatgctgcc ctatgaccag tacatgcacc gctttgctgc 60  
 ctatttccag cagggtgaca tggaaatccaa tggaaagtac atcaccaagt ntggagcccg 120  
 gnttgactac cagacaggcc ccattgtttg gggggagcca gggaccaacg gtcaacatgc 180  
 attctaccag cttatccacc aaggcaccaa gatgataccc tgtgaatttc ctcatccctg 240  
 ttcagaccca gca 253

<210> 1085  
 <211> 279  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1085  
 cggcacgagg tttcctgtgt aatttagtag attccttgac tagtgcttgg gcacacaata 60  
 aatcagtgtt atttgctctt gaagcctttt ctttttttcc ttcttttttt ctttttttcgg 120  
 cagtgaatag ttgactttat catgtaagtg tatttctcaa gcagctatct agcagaacat 180  
 tttgagagat tctgttagct cagatgttca tgttgattgc tgctgaatgg taaatattga 240  
 ataaagtatt cagattaatc ttaaaaaaaa aaaaaaaaaa 279

<210> 1086  
 <211> 536  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1086  
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 gtataagtga caaaagctct agagtggcag ctgagcaggc acagggctgt catcaacaag 120  
 aatacgtttc aaagtagtga caagggtgaag tccttgtagc ataaccattg tctgctcttt 180  
 gtctgcgttc aggaagagtg cagagtccct ttccttgtaga ttcctagaga actttccctg 240  
 cagagttagg tttagatctc ggggctgtca gggtagccct caccctttac aggcagggtc 300  
 gggtttccctc ctccctctgaa atgcaggatt gcctccctga tcgtactctc cattatacca 360  
 catgtataac gagccaatat caaagtaaaag atgtaatgaa aatacactca tatattactg 420  
 taggagtgtc tctagatgcc cacacctcat ttccatattt gtcattagct gtttccatcg 480  
 aatgtttcaa tgtatcctta caaaaataaa gcagcataga aagaaaaaaaa aaaaaa 536

<210> 1087  
 <211> 637  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1087  
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 gggcataact tttgagttta ctactattgc ttcagctggc atctgtcttt ctccctttcc 180  
 gtcattcccca taaatgtgca atgtggggtg catagggtcac agaccaaaca agaccaccag 240  
 catgtaattg tccacacttt gggaacagcg tgcactgttt cgtacacatc agtccctcca 300  
 gtggttggtt tttaattttt tttattttgt ttataaattc agcattttgc tttaaccttc 360  
 cggaaagatc tggtgagagt cccatttgca tctcaatgag ctctctctta tttgcctatc 420  
 tttgtatgta ttttgatata tagattgtgc aggacgtatt ctagaaggga tcaatgggtt 480  
 gcattcaaaa tgatgtagtt tgtccaaaat attttgcctt taaaattgaa atgggttaat 540  
 ctcatTTTTT tcttgatgat ttgaaattgt aagatttgtc cagctattgc ttaataaaat 600

tttgcgcatc aaaaaagatc aaaaaaaaaa aaaaaaa

637

<210> 1088

<211> 411

<212> DNA

<213> Rattus norvegicus

<400> 1088

tcagcagcta	tccatttcaa	cccgggtgtt	accacggaaa	agacagaacg	tttcgtgtga	60
ctgcgtacca	ctggaacaaa	accaaaatgt	ggccacggct	ttttaggggt	ctctgtgtgt	120
gtagtgcccg	agtgtctgag	cagaaaggca	tcatittcagt	cgttgtataa	agttgttttt	180
tttttttttt	taagtgggca	gaatctaaga	gtaatggttt	ctactctgta	ctaattgtca	240
tattgactgt	attttgtaac	ttgtttctgg	cctagggtgt	gtttgttgga	ggggtttatg	300
tactactgaa	cggtagcact	agcacatgcc	tggtatcgtag	tgatgttagc	ttgttctaaa	360
gctatccgtt	gtgtcatatt	tacagaaaag	taaaaagatt	gccggaatgc	t	411

<210> 1089

<211> 338

<212> DNA

<213> Rattus norvegicus

<400> 1089

taaattcaga	cagacaacaa	agcccacttt	ccaagtgcag	tggataccat	gcattgcgaa	60
agcacacttg	ggaaaaccag	caggaaacatc	agtagacttc	ccaaacaagt	tatagttcgg	120
aaccagatat	atgacaaagc	aattgggttcc	ccacaatgac	agctcacaga	aacacactct	180
gacctgacaa	cagggacaca	tcaggtaagc	aagtcacgca	gacctgctcc	ccaaaaggga	240
gtagcttcta	aaaacaggaa	aatgtcaact	aatggacttc	tcgcttcacg	tgccgacaag	300
ctttaccttt	ataagacaaa	acaaaacctt	tcgcgccg			338

<210> 1090

<211> 503

<212> DNA

<213> Rattus norvegicus

<400> 1090

ttgataaaaa	tccgaagggt	atgtgccagg	gtttcacagg	caagcaggat	tgttctgata	60
caatgtaatt	cagcaaagga	gatgcaggca	gtcttagaga	ccagcttgtc	aagccttatt	120
tgcagggtgc	cagcagatgc	caccagctgt	tacagacacc	atgttcaa	acaggcatcc	180
tgacaaggaa	gatgcacatc	ccgagggtga	ccatgcactc	gcctcctcct	ttccagcagg	240
cagtctgatt	ttgtgtatgt	tataatagca	tataattaac	ctataatcta	attgctgagg	300
aagttcatta	tgcttgattt	cttttttctg	tttgttgaat	gacattttgt	atgactttta	360
cattttgtga	aatgctttat	gatattcttg	tgacacttta	acctctgata	tttttgaag	420
atgtcagata	tccatgtata	agcactat	ggaactgagt	ctgcgtccta	aattaatgat	480
ttattaaagt	ctttgcgtct	ggg				503

<210> 1091

<211> 580

<212> DNA

<213> Rattus norvegicus

<400> 1091

gatgatgatg	aagataaaca	atgcccagga	tatcctcctc	tacaagggtca	acaagtatgt	60
caacttggtc	atgtactttc	tcttcagact	ggcacctcag	gcctacctca	ccaagttctt	120
cctacagtat	gctggccaga	ggaccctggg	gacattcttg	ttgtctattc	tgcttatgct	180
ggacgtgatg	atactcatct	acttttctcg	cctcctccgt	tctgatttct	gccctgaacg	240
tgctcccagc	cgccaacaaa	aagacaaatt	cttgactgag	tgagaaagga	gatcccagga	300
tgtgtgacag	ggacagcaag	cacagccaac	agctttgtaa	cataaactag	gactctgccc	360
caagcctggg	tgtattctgg	ggccagcctt	tccaccttaa	gcttacaccc	acactattga	420
aaacactaat	gaaagctctc	tgaagtcctc	gtttcttggg	caagggttga	agcagaccaa	480
ccggttgggc	atggtaaatg	ggtgaggaca	agatgctgtc	caaaagccag	tgaaccata	540
ccaccccgcg	atggacgctg	acagctctaa	aataaccctt			580

<210> 1092  
 <211> 366  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1092  
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 aggggaagct cttgtgggag gagcagaggg gctgcacccc ctttggactc ccccatgcac 180  
 gttgccttat ctctccctc tagccaggaa tctgttgttt ctcttctgcc aatctactac 240  
 gattgtatat gtgccgatac cgccaccccc ccatgggggg aggggagggg acaaggccct 300  
 gcctgctcca ctttttctat cttggaacta taccagataa aatcacttct gtttgttcag 360  
 tttttc 366

<210> 1093  
 <211> 265  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 223, 237, 243, 244, 247, 255, 258, 262, 263, 264  
 <223> n = A,T,C or G

<400> 1093  
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 cttcctgctt cgtggccaac gactccactc tcttaccctt ggctaagatg atgccaggct 120  
 gtgaaattta ctctgattcc gggaaccatg cctccatgat ccaagggatt cgcaacagtc 180  
 gagtgccaaa gtatatcttc cgccacaatg atgtcaacat ctngagaaac tttttgnaag 240  
 gttnncgnccc ctggnccnaa annng 265

<210> 1094  
 <211> 517  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1094  
 aggaaatgct tgctcagctg ggataaactg gatttccaac gtgctggttt cattgacctt 60  
 ttacacaca gcggagtatc ttacatacta tggagcgttc ttcctctacg ccggattcgc 120  
 cgctgtggga ctgcttttct tctatggctg tcttctgaa accaaaggga aaaaactaga 180  
 ggaaatcgaa tcgctcttcg accaccggct gtgcacctgc ggcaccgcgg actcggacga 240  
 gggcaggtac atcgagtaca tccgcgtgaa gggaagtaac taccatctct ccgacaacga 300  
 cgcctcggac gtggagtgc ttccaccoga tggctttcca gttactgaag tgaacgtgtc 360  
 gggaaggcca gcggttggtc actgccctgc tcacaagccg agtctcccca ccgtccttgc 420  
 caatgactcc atattccaga agacttgatg agcagaaaaa tacaactctg gtgatgttta 480  
 ttttcataca cagaaatgct aaaaaaaaaa aaaaaaa 517

<210> 1095  
 <211> 504  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1095  
 aagccaccca caaactaaac aaagaaaagc ttgcattcac acatcatcat gaagctgcta 60  
 gatcttagaa atgccaggaa atgccgtaag agtaatccaa gagcagctac attctgtaag 120  
 ggagagggtg cagtcctcat cgagggaagc caggagacag tgggccagca cggtgactac 180  
 cagaagaaa gaaagatgag cagaggctag gaggccagga atggttttct caaacttgaa 240  
 ggtaaaaactg tgtctgttcc aggtaaataa atattgtgtc ttttgttacc agcaggcctt 300  
 cactagaaga atgtgacagg ggattcttta ggaggaaggg gaacctggaa atacaggaag 360  
 gaatctatgc actgggaagt gtaaataat gagtaataa aaaggtacca agaaacatag 420

cacaggattt tgctcaatat atatggcctg gcctaaaagc atttaagaaa aacattgaaa 480  
 tgagcctaag aaaaaaaaaa aaaa 504

<210> 1096  
 <211> 478  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1096  
 ctgttagtaa ctccgtcaca actctcttaa gctgagccct gtaaaatctt ctttttcatt 60  
 taggtgaaag aaaattagta tttttgtgac tgtggttgtt gctgtttttg tgccccacaga 120  
 tgttttaaaa ctaatcttgg gtaaggtaaa ctgtttttcc atccatatta caaaaaataa 180  
 agtgaacga ggaggaaaaa aagtgtggta tttgcagttt tgttatgtgg gtttgaaaaa 240  
 taagatattg ttttcagtta tttataataa agaagtatac tgagtacatt gtataatgcc 300  
 aacatgtgtg tagcaatttg acatgcatag cttttgcatt taattaatgg aggataaaat 360  
 agatactata actttgtctt taaatttcta ttccaataaa agttgtgtca tttctatgac 420  
 agtttttcat aatattagaa cattatttca tttaaataaa attgaaaata atttgtgc 478

<210> 1097  
 <211> 553  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1097  
 ttggttcttt cttgagttgg ttcaactttt tcccacttct cggtcgtctc gtggagtctg 60  
 tcttgcttct gccttgccgg atttggtggc tactggttgg ggctcctggc ttcaatagca 120  
 gccagttcca ggaatgggaa aagctctatg aatttggtga cagttttcag gatgagaaac 180  
 gtcagctggc tcaccagggt ctgggcattc cagaaggagc caccaatgaa gaaatacatc 240  
 ggagttaccg agacctgggt aaggtctggc acccagacca caaccggcac cagacggagg 300  
 aggcccagag gcacttctta gagatccagg ctgcctatga agtcttgagt cagcccaaga 360  
 agcccagagc atcctggagg tgaaagcaac ccctcaagga tgggctcagt cttgtcagca 420  
 cagtcttcaa aacccaggac ctaacagtct taaagaagct gctcgataga ggcgagggga 480  
 actttaaagg aatgaggaag catgtggtag aaaaatatatt tatgtgttaa atttctaaaa 540  
 aaaaaaaaaa aaa 553

<210> 1098  
 <211> 536  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 498  
 <223> n = A,T,C or G

<400> 1098  
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 atggccattt acaagcttcc tgtggaacag tggcttccta tacaaacctc aactacatat 180  
 tacattactc actgtagagc tcaccatagc ttcaatataa aacattagag tctttttttc 240  
 aataaacctt ccaggaggca gtaaccaact aaagatttac ctgcatgggt tttgtttttt 300  
 tgttttttat ttttttaatt agctgcaaag taaacataca aactcctctg ctgcctgttc 360  
 tctcatgatt gtttcataaa gcccagtatt gggtatctgt tatctattgc acatccaacg 420  
 tgaaataaat aaatgtttca ttgccatcta aagagaaaaga ataaaaataa accattgaac 480  
 aaactatatt ccaaacanac taataactac agatcagcat agctgactaa cccaga 536

<210> 1099  
 <211> 260  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1099  
agacagacaa caagctatgg cactagaagt taagaaatgt tttggtatca tttttacgtt 60  
ctgtatttgt gtctgttccg tttcattttg tactacatga agaactgttt tttgcctgct 120  
ggtacattac atttccgggg gcttgggtgg ataatacttt tcccagtcct ccttggatgg 180  
tggccttaag gcctggtagt gcttcaagag gtccactggt tggatctcta gctactggcc 240  
tctaaatata acccttcttt 260

<210> 1100

<211> 762

<212> DNA

<213> *Rattus norvegicus*

<400> 1100  
cggcacgagg gttaccattc tgatgggtgga gcagaccccg cgcaaactgc tgcgatgagt 60  
tagttagag cttaacggcc agagagaact tgctgggcat ctgggcagcg gacgatggaa 120  
gaactctggg cttcggctgg gacctttcat tcatgtagca ggaaccggag atggctgcgc 180  
agagcagccc acggttttgt ggaaatctga aaactgtgca atgtattgag aacactctgt 240  
acctgtgca aggagtacgc tgggcccaag gtgtaaagct ttaaatcatt tatgtaaaat 300  
gtttaatctc tactcgctct cagtgcacaaa agataaaaaag aaaaaaagag agagaaacta 360  
gaaaatgtag aacgaaggaa aaagacgaga aaaaggaaaa acatgtatat ttgtacaaaa 420  
agttaaaaat tatgctaatt taatgtttgt atttatccat gcgtggatcc ctctgccgcg 480  
caactgctgg cttattgatt attaccacaaag gcactagaaa tcaccagctt cagattacct 540  
acaaatgtaa atctactttt gtattagact cttagaggaat ggttggtgag taaaagcccc 600  
cacacattca tcttcagtta gctgacagtg tcctccacat tattagattg ctcttaaaact 660  
tggtgaccag actgtcgaaa aatggttcct gtactgccca taccaactgc ccagggctcc 720  
tcgtccgcca ggttctaaat aaagaggccc aacccaaatc ac 762

<210> 1101

<211> 681

<212> DNA

<213> *Rattus norvegicus*

<400> 1101  
caacaccacc ttcccgacac ggatctggga agctagcacc taaataccag gcttcttttg 60  
actattaaca tcttaaagt gaagggcacc atctagttct taaaagccat tctcaaggct 120  
ttgctccta ggaccacagt aaggagcaag ttctgtacct tcttctgtct tccaggggtc 180  
ccagagcctc acctaaataa tgtgtagaca tcttccatgt tcgtgtaaca gcccaaagt 240  
atacttctga accctgagca atctactcaa gaaattgaat ggaaactcag accaccttaa 300  
gctctaata gttgtctctg accaccaggt gtgcggagat tttagtgggg cttagactctc 360  
cccttgccc cttagtgagt gtcagctcac acttgggggc tcaggccttg gttccaggct 420  
cttgacttgt gggacctatc tgagaaagcc ctcatcctgt gatacagccc tgttttgtag 480  
aagctgacaa ggaaggactt cttagactct aggctaacc aggggtctgt ggggctaaca 540  
ggctgcatga tgttttctaa agacctgat taaggactga ctgaataaag tgccactgat 600  
gacttgctg ctgtaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaatggaa gcgtgttacc 660  
aatctgaaat ggaagtggcc g 681

<210> 1102

<211> 593

<212> DNA

<213> *Rattus norvegicus*

<400> 1102  
agggtagaa tggcgcacct gtgatgcctg ttgccttctt tctagaaaca tctctggccc 60  
ataggccagc cccaaaccaa aggcacctgg gcctgggtga gggcaccct gacctgcctc 120  
aggccttgct ccagagtctt gccatggggc tgtcaggagg gtgctgacat tcatgcccta 180  
gattccctgc atacaggggc caggatttta aaatgccagt tcaggctttg ggcgatctac 240  
ttggctgaca ggtggacac atgaatcgaa tttattacag gcttttgaaa tcggttaatc 300  
cagggaaaa gttggattct cacagaccac tccagaatc aaccaacga gagcatttg 360  
cagagccatc agagatggtg gcctcctctc ttcacagaca gcgacctgtg aaactgtgaa 420  
ctttgtactg acaggtcacc tggagttttc tttttctccc cgtagctttt tggtttcttt 480  
ctggtgcaaa agtgtttgga cagaagcaga actgtgaacg agatcctgaa atgcactaaa 540



ttgtattcta ttaaactgga gttacttgat tcaatgaaaa aaaaaaaaaa aaa 593

<210> 1103

<211> 512

<212> DNA

<213> Rattus norvegicus

<400> 1103

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cagggccagg	ggtcagaccc	agctattgag	gtgtgatggc	aatctcacc	tgacttctac	120
cttattttag	gcacatacct	tgtgggactg	ggctccaggc	cagcccagga	tgtggctttt	180
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cccagttgct	tctctgcctt	cttcagccct	gccatgtggc	actgccaca	ggctggggac	300
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caggagggag	ggtaacttat	tggggacaag	catgcagtgg	ggggctagag	gagctgggct	420
ggaccctccc	cacctgagca	tgctgatccc	cttcctacct	ctagaataaa	gaatctcaac	480
ccagaggggc	ttcatggttc	ccctcacttg	gc			512

<210> 1104

<211> 567

<212> DNA

<213> Rattus norvegicus

<400> 1104

atattagcca	accttttagag	caggaagaat	aatgccttgt	accagaccct	ctgctggatt	60
tctcttgcaa	tatgaatatt	cattaagttc	atctgcatcc	accatgaagt	tctttatagg	120
cagaaggcca	taaaacatct	aagagaaggt	gttattaacc	caggtaactt	ccctgggact	180
tcctagcata	gcttcttgac	agagcttcaa	gcaaataatta	tgagtaacat	ctcacacaat	240
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atgtgaatag	acgaaaatgt	gggtaacaaa	atataaaactc	atggaataaa	ttcttttaggc	420
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tacatgggga	agaaggcctg	gtgtcacagc	ctaggctcag	cgtgaattga	atacacagtg	540
acaacatgaa	ggactcttta	tcaaacc				567

<210> 1105

<211> 519

<212> DNA

<213> Rattus norvegicus

<400> 1105

ggagcgaagg	tgaccccggc	tgctaaagaa	aggtagggca	gagtagccat	gggggcgcac	60
ctgacccggc	gctatctgtg	ggatgcctcg	gtggagcctg	accctgagaa	gatgcccgag	120
ttcccgcgga	actacggtct	tccggagcgc	aaggagcgag	tgatggtggc	cacacagcag	180
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catgactggg	actactgcga	gcaccaggac	tatgtgaagc	gcatgaagga	gtttgaacgt	360
gagcggcgac	tgctccgaag	gaagaagcgg	agggaaactga	gggagcaacg	ggtagcccaa	420
ggccagggag	aaggagaggt	gggccctgag	atggccctgt	agggattgac	cgccagcctt	480
tggaccatca	gtgaaataaa	agcttttaggt	cacctgcct			519

<210> 1106

<211> 419

<212> DNA

<213> Rattus norvegicus

<400> 1106

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tttattttcta	ttttagtatt	taaactgaga	ttggctacttt	attccatttc	taaaacgtag	120
atataattta	tgatacactc	acatctatgg	acattctggg	atgttttcgt	taagatagac	180

gcgtcacttt	caaatgaggg	tgttgtagac	aaactgtaac	aggagagcta	atgggtctttt	240
ggattgaggg	tacccttcca	agggcttttt	gaaaggcaat	agagttactc	cttgggtcagt	300
cttcgcctct	ctaccctgtg	gagcaccgcc	cttcttttcc	atacccttga	gccttgaaga	360
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<210> 1107

<211> 464

<212> DNA

<213> Rattus norvegicus

<400> 1107

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actgcgtctc	atggacatta	cgtgcgtcct	aaatatttga	tgtatgtata	cccaagtatg	120
tatatcagat	gtgtgcgtgc	gcacgtgtgt	gcatgcgtgt	gcgtgctccc	agatgcacgg	180
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ggaaggaaa	gatgttttcc	gtttccgtgg	gctttacccc	ttttttttcc	tttttgaacc	300
ttttaaattt	aaaatgtctc	tgactctaag	attaaaagaa	aaaagtttgt	ggcgcttaat	360
gccctcctct	tggaacgtga	tgggtggacg	cacactggag	gttgctttca	aaaaatacag	420
cgctttgttg	agtcttaata	aactgcagtt	tttcttggtc	gttg		464

<210> 1108

<211> 898

<212> DNA

<213> Rattus norvegicus

<400> 1108

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cgggcttctg	gtggcagaga	ggcagaggcc	gcgcaaggaa	catcctcccg	gcgcggggcaa	120
ccacactctc	ttcgtggact	gcatcccgtc	cttccacggc	acgctggctc	tgacgcccac	180
gctggagggtg	gcgctcacc	taattgactc	atggtgcaaa	gacaacagct	atgtgatcgc	240
cggctattac	caagctaata	aacgtgtgaa	ggatgccagc	ccaaaccagg	tggcagagaa	300
ggtggcctcc	aggatcgag	agggcttcag	tgatgctgca	ctcatcatgg	tggacaacgc	360
caagttcacg	atggactgtg	cagcgccac	gatccacgtg	tatgagcaac	acgagaacag	420
gtggcggtgc	cgagaccac	atcacgacta	ctgtgaagat	tggccggagg	ctcagaggat	480
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ggatgacatt	cggagcgact	ggacaaacc	agagatcaac	aaagcagttc	tacacctgtg	600
ctagacaagg	accacgactg	gagactccac	tacagagaag	atgaaagcgt	atttttaaat	660
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gggtgcagcc	ggcatccttc	agggcggggc	tgtggagaga	gagctgtggg	ctatctgggc	780
tttgggttct	tagtctgtg	ctgccaacc	ctgcccacat	aagctctttc	tgcttgtccc	840
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<210> 1109

<211> 613

<212> DNA

<213> Rattus norvegicus

<400> 1109

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ccacttttga	tactaccagt	ttttaacctg	tctttctgcc	ttcactgccc	tggtcacgtt	180
gtctgggcag	cacaggacca	cattaactgt	gctaataaga	gaaagttaca	tgatcagtta	240
tgtaggactg	agcatcagaa	cactttccat	atctgtggga	gtggctattt	atcaattaca	300
aatgatacga	aatcacact	ttccagttcc	cctttcggtc	tggctctgtg	atcagggaac	360
tgcagttgcc	ttcatgacg	gaactatatt	tatgatctag	cctatttcct	acaacttcag	420
ttagacagtt	ttccttaaca	atgactatta	ccatgtttcc	ttaacaatgg	ctgttacaat	480
gttttactca	gactatgact	tcctgaccta	ttgttacaaa	cacagaacag	actgaccttg	540
ataatcatgt	aacaaagtat	tttgtagatt	acatattgat	ttgtacaaaa	ttaaagatgt	600
atttcaaatg	gtt					613

<210> 1110

<211> 268  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1110  
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 tgaagtggga gagtctttcc aattgagcca attctacccc cttccctccc ccagtactag 120  
 ttattttaca taactacagg ttgttgtaaa aaatagaaga atttggcatt ttggaacttt 180  
 gtcccatgtg aggcattgtg ctttattttt aactgcccct ttcttaagtg accctaaatt 240  
 cagacagaca aaaaaacctt tgcggccg 268

<210> 1111  
 <211> 478  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1111  
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 gagaatactg atttttttta gtaactaact gcaggattaa aactctaggt aggtccttgc 120  
 tagggacact cgctgcctgg gaattaaatg gtatatacag acttctacgt ggaaagaatg 180  
 gctgtgtgta gccagcccag gctgaaggag aaccacggg taacaaaaag ataaccgtgg 240  
 gtaatggttt actcaagggg aagctcttaa gtggagaagc agactcagga aaatagttag 300  
 tgtaaggtta gcctgggcta cacacatctg attgccttaa tgggggatct ttaaatgagg 360  
 catggtatag tgtttaaaaa aaagtcccta gtcacagaga gtagattggt ctagatgggtg 420  
 aacatgtata tcaaaagtct acacacgttt aatgtatata atctgagtca gatgggaa 478

<210> 1112  
 <211> 795  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1112  
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 ggagtcggaa gttttctcac acggagcttt ccgaagactg tcgctcctgt gcggcacagt 180  
 ggggaccatg gcaagagact gtttgtcatc aagccttcct tatactatga cgcccgcttc 240  
 ctgagattaa tgaaattcta ctttttggtg actgggatcc cagttataat cggcataaca 300  
 ctggtgaaca tatttattgg tgaagctgaa ctgcgagaaa tcccagaagg ctacatccca 360  
 gaacactggg agtattacaa gcatccaata tcacgatgga ttgccgggac tttctacgat 420  
 ggacctgaaa agaactatga aaagaccctg gctatcctcc agatcgagtc tgaaaaggcc 480  
 gacttacggt taaaggagct ggaggttcga agactgatgc gtgccgggg tgatggacct 540  
 tggatcaaat atccaacccc tgaaaaggag ttcatgtatt attctccaaa atcaactcct 600  
 gacaactgat gattcgtctg ttctctagt gggaagaaag gaataaatac tctgtatttt 660  
 cactcggatg cacacaagct tctgtggctg tttcttcatt tgggttcagg gatgcgtttg 720  
 ttctcttggt cctttcagct tcatctgttg cggtttacag ggcaataata aaagctagag 780  
 gcctgggaac ttgtg 795

<210> 1113  
 <211> 496  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1113  
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 cccggccacg ccattccattc tcctagcagg tcagggtcga gttcccaggc accattgttt 180  
 ctgtggcttg gtcttctcaa gttactccca ttgcacagtg ggaaatctga cagaaagaaa 240  
 ctgggaactc ccgaccccca tgtgtggcca gaatcattgg tcagtttgcg tagtcacca 300  
 cctatgttta cattttacag aaattactgc tctgtaaccc tcagtcctgg gtgcggcca 360  
 gcagcgtggt gttgggaaat gaccctgccc ctggcctccc tgggaagcca tgttctgctc 420  
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aaaaaaaaaa aaaaaa

496

<210> 1114

<211> 536

<212> DNA

<213> Rattus norvegicus

<400> 1114

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tcaagaacct	gcagatgaag	gagcagcctg	gatcacccga	ctggatccag	ttggacttgc	120
agatcacacc	actgctactc	aactattgcc	agtgcaagct	ggtggctcag	gagtactatg	180
aggtgctgga	tcaactgctcc	tccatcctca	acaagtatga	tgacaatgtc	aaggcttact	240
tcaagcgggg	taaggcccat	gctgctgtgt	ggaatgccca	ggaggcccag	gctgactttg	300
ccaaggtgtt	ggagctcgac	cctgccctgg	cgctgtgggt	aagcagagag	ctgcggggccc	360
tggaggcacg	gatccggcag	aaggatgagg	aggacaaagc	ccgcttccgg	ggcatctttt	420
cccactaaca	ggacctcagt	tctgccctgc	cctgccaaagc	ccactgctgc	caccacctgt	480
caatccccc	ctgccacctt	gtgcttctgt	gtatataaag	gccttattta	tctctc	536

<210> 1115

<211> 609

<212> DNA

<213> Rattus norvegicus

<400> 1115

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ctcaaagtga	cccaggttct	caaagaaaag	tttcctcgag	ccacggctat	ccaagtcaca	180
gacatctcag	gaggctgcgg	ggcgatgtat	gaaattaaaa	tcgagtcaga	agaattttaa	240
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ggcatgcacg	gcctccggat	atttacctca	gtccccaagt	gctgaccaag	ctccctggct	360
gcgcgactgc	tcatgctgaa	aaccttgagc	gtactttgct	cacagcaata	ttctagaaaa	420
atccctgcct	cactccccga	gtatctattt	tttgttcatt	atcatttcta	tattataatt	480
atagagatac	gttatctatt	tagagttaat	taaagatcac	aggtacctac	tgctcagaac	540
aggtgtgtgt	cacactcagg	ccctcctgtc	agaagcagcg	tcctttgttc	acaaaaaaaa	600
aaaaaaaaa						609

<210> 1116

<211> 571

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<222> 118

<223> n = A,T,C or G

<400> 1116

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tttgctctct	tcacacacac	cagaagaggg	catttagatc	ccattaacaa	tggttggtgag	180
ccaccatgtg	gttgcgggga	attgaactca	ggacctttag	aagagcatca	gtgttcttaa	240
ccactgagcc	atctattttt	ccagcccaca	aacatgggtt	tttaaagttt	gtgtatcact	300
acaacttttc	atgtctagag	acaaagtgat	aatacacttt	tcaaaatatt	tgggggatgt	360
actttttggg	attgactgaa	tagctcaaac	aatatcagtg	gttaagagat	attattcttg	420
caaaggacca	ggatttggtc	tctcaacatc	catgtcaggt	ggcctatgac	tccatctcca	480
aaggaaactct	agcctccaag	agcagccaaa	cacatgtggg	acacacacat	gcataattac	540
aaataaatac	tgtctgtatt	catttaatcc	t			571

<210> 1117

<211> 578

<212> DNA

<213> Rattus norvegicus

<400> 1117

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acagcattat cactgatttc cagtgtattc tcccttgcaa actatgccct gcctgcctac 120
ctgttttaaa agttttgacc acgttctttc tatgttggtg tcaagtata tgtgtttaag 180
atctatttta ttatatgtgt gtgtgcatgt atgtgtacat gcatatggga gggacatcgg 240
agtgcctgaa gtcagagtta ctggcagttg tgagccccct gatgtgggtg ctgggaccca 300
aactccagtc ttacagaaga gcagcaaagt ctcttaacca ctgagccacc tctccagccc 360
cctcgagcaa ttttttttga tacagcatgt atttttacac ccatatagtc taaacaccag 420
ggttcctgat atcctgggtt ctaaaaagga actgaagtaa aacagatgcc tgtctgcttt 480
agaagatctt ttgaatgttt tatgactgtc tgcttggttg aatattggcg aaaggataaa 540
taataaattg acatcaaaaa taaaaaaaaa aaaaaaaaaa 578
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<210> 1118

<211> 365

<212> DNA

<213> Rattus norvegicus

<400> 1118

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ggagggatcc cagtcacact acttcttctt ctctcttgca ggactattgg ggttcattgc 120
tagaccatgt catgaggag aggtgttctt ctgggctggt gctatgagca ggatgggcta 180
cctcacctaa cttgtttaga attaaaaagg gcacctgggt cgggggacag gagtatggat 240
gtagacagga attttgacct atggggaaaa gataggaaaa gatgtgcttt gacaagtgtg 300
aggtgttcac ctttgatatt agccatagaa attaaaaagt atgcaaacia aaaaaaaaaa 360
aaaaa 365
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<210> 1119

<211> 575

<212> DNA

<213> Rattus norvegicus

<400> 1119

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cttattttcc cattgatatg gggctgcttt tgggtgggtg gcatgagagg tggcatgaga 60
caacatgttt acatacagaa acaggcctgc ctcttctgct gatcattctg aagggtccgag 120
tttctctctc tggatcctct tgaggaagag taacctgtt gcatagcaaa tgggtgcttg 180
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gtacactatg ctcttacct gagatgcggc tctccgtgtc tccttggctc acttgtagtt 420
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gcagagagaa ctgtcctaac cctctgggtg ccctgggaag gcagttaaaa cgactttact 540
ttgtgttaca ttaaattgcag atgctttctc cacct 575
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<210> 1120

<211> 448

<212> DNA

<213> Rattus norvegicus

<400> 1120

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tgaggtgttt ggccctccct gaggtagata acttcttctc tggctctgac tgtacttggt 60
tcatactggg ggctcctgag tacatccctc tagtgaagcc aaattcaact ccaggatatt 120
gggtcaaatca atgtcaataa taaaggagca aaacttggtg gtcttgccaa atgtgtgcag 180
gggaatgtgt gtttgtgtgt ggatgtttca gtggagacat aaaaatctgt aatttttttt 240
agcacctcac cagacataac aattagctat tatcctttcg acaacaccac gaagattgca 300
tctgttaaac aggttcaagt taacaggagg ttagtgtaat tgtacaccat gatattgggt 360
gtatttatgc tgtcaagtcc aaaactttat ttgttcttct aaatgtttta taaactgatt 420
tttttccttt taaaaaaaaa aaaaaaaaaa 448
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<210> 1121

<211> 460  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 402, 437  
 <223> n = A,T,C or G

<400> 1121  
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 cgacaaaagt cccactgaga tgcctttggg gctcagtcgg aacgcactgt gcggtcacgt 180  
 gactgctgtg caggagtgtc agcggctgtc ccaactccct cctcgccttt ttaagaactt 240  
 gccagaatgc atggtttaac ttctttatca aaactctgac ctcccttctg ttcttttctg 300  
 ctttcacacg actaacacag atttccagag aactaacatt ttgaactttg ctgtaattct 360  
 caagtgactt tcccccccta ctaatgtttg actcccctat gnggcgtgtt ctctgagcgt 420  
 cctacttaaa ccatggnaca caggtgattt ggagcaccta 460

<210> 1122  
 <211> 556  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1122  
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 gagtcagagc ttcttagtca cctgacttcc acttgggctg tgggatttca actggctgcc 120  
 cagactctgg gtgagaccac aggggtgtgac ccaggcagga tttccacggg ttcattgggt 180  
 gatgaggggt cccaaagctc ctgaaggga cctgagttgg ccatctcggg tcattccttc 240  
 atgggcgtat acagatgagg gcccaagggg gagagaaagg aacagatggg ctggaccaga 300  
 tgagagatcc cagtgttggg gaggaggatg ggagtggccg agcatgggaa cacattcagg 360  
 gatggatgag tctgtggttt cttatccaaa actccactga ctcaacctta aaactcacia 420  
 gtgggatcca tgcggactga gtcaatctga gtgactgtga ataataatg ctctccctca 480  
 actctttgtc acaacactaa acttcaaaaat actcaaataa aatattgagg tcaatgttta 540  
 aaaaaaaaaa aaaaaa 556

<210> 1123  
 <211> 700  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1123  
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 ttcggaactg ggcgtctggg caagacctgc aggcgaagct gcagctgcgc taccaggaga 120  
 tcgccaagcg gaccagcca cctccgaagc tccctgtggg cccagtcac aagctgtcca 180  
 acaattacta ctgtactcgt gatggcgcgc gggaaagttg gcctccctca atcatcatgt 240  
 cctcacaaaa ggccctggtg tcgggcaaga cagctgagag ttctgctgtg gcagccacta 300  
 agagggcagt gacacctgct cctcccatga agaggtggga gctgtcaagg gaccagccgt 360  
 acctgtgacc ctgagttggc taccttgcta tgtttccagg gccacatgac tgcttttcct 420  
 ccttggaattc cttctgggga gagtgtgacc taatttataa caaatacatt aagtaccaca 480  
 ttattttcaa tctgtctttt cttggtatatt attgattgga tttgatctgt tattactgta 540  
 tgtgttgagg gtgtgagtag atgtacagc atgtgtggat gtgagaagat aactttggga 600  
 attggttttc cccttccact tgttgaggca gggctctttg tttttggtat cctgtgtact 660  
 ccaggttagt tggccaaga atgtctacat gaggcgtgctg 700

<210> 1124  
 <211> 486  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1124

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atagaaaact	tctggtttga	cggtgtaaca	ttaggttctt	ttcacttgaa	aagattttga	120
aataaaatca	catattttta	agctgtaaat	tgtatatgtc	tgaggattta	gtaaaatgtc	180
agagatcaat	ctataagaaa	atttaaagtg	tgtttttata	tcttagttgt	ctgtcattat	240
tttggatccc	acaatcccta	atttaaccat	ttcggcaagt	gcctttgaca	cttaaggagt	300
attgtgggag	atgagcaaat	gtaggtgcca	caccccgttt	cctggcttct	caattcctcg	360
tgacagtata	tgtttttacag	tgtacaaaag	ttcagtcctt	tgtgttcatg	tgagattgta	420
ctgtagcctt	tccatagtaa	acagcaaaat	aaaccatttg	cagaaaatga	aaaaaaaaaa	480
aaaaaa						486

<210> 1125

<211> 322

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<222> 38

<223> n = A,T,C or G

<400> 1125

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ttggtcagaa	tttcctacat	agcaatgaca	cctacaacct	agttttcaca	ttattcccct	120
tatattcacc	ctctcaaaaa	ttattatttg	aaataattta	tttacaggaa	gtgttaatga	180
gatgtatttt	cttatagaga	tgtttcttac	agaaagcttt	gtagcagaat	atattttgcag	240
ctgtcgactt	tgtaattttag	gggaaatgta	taataagatg	aaatatatta	aatttttctc	300
tctcgaaaaa	aaaaaaaaaa	aa				322

<210> 1126

<211> 644

<212> DNA

<213> Rattus norvegicus

<400> 1126

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ctaaagtaaa	tattctaagt	ggagcccact	tgcgatcatc	agcctctgtc	acgaggattt	180
tacctttaga	aggttactca	agacaggagc	cggtggctta	ggaaggggca	aggaaatgtg	240
ctgtagcggc	ctgtggcctc	agccatcagc	atccctcggg	gttttctttc	catgatggcc	300
atagaagacc	tcactttgat	aacatgctcc	tcctgatgct	ttctgtaaaag	atgttcttca	360
taagcagtct	ctcgtgaggg	atgtggctgg	gagctgggag	gcaagggact	gcagtgaact	420
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atgggagtaa	tacctacctc	acagggttgt	tgtggggatt	aattagagag	gaagtctgta	540
aagcatttaa	aaggttcttg	aagaaggcgc	tatataaata	caaaataata	tctattaaag	600
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<210> 1127

<211> 534

<212> DNA

<213> Rattus norvegicus

<400> 1127

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gcacggactg	tactcttcac	gggtcgagg	caggatcct	cccttcagt	atctacaccg	180
acctcagcat	tctcgggtca	tcagaacgct	acgctgcttc	gagtcctaag	tcggattgtc	240
accttacaga	tgccctaaagt	cacatggaca	tctgcccgg	aggcctgcag	atgtaaagac	300
ctcgaagccc	accaatgatt	aagagtctag	accataaaat	agcacgactg	agagccatgg	360
acaaacaacc	agaaagaaa	cccgccttct	gcgagcagga	ctgaagctga	ataaatgctg	420
ctgcatctgc	acgggtgcag	gagaatacca	gcgaagcttg	taaatggaat	gacaatccca	480

ggttgccaaa atcttttcatt aaatgtgtaa gctgattaaa aaaaaaaaaa aaaa 534

<210> 1128  
 <211> 352  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1128  
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 ctctttgggg tcaccacgag catgtggact tcctcagcct gaagcaccat agctggggag 120  
 aggtggccca gtgtcactgt ccttcctagg tacatgggca ggagctggtg tggttgtacg 180  
 ggggcgaggc agccacaggg ctgctgcagg taggaggggc aagagcagct gcttaaaagc 240  
 tgggcctgcc aaactctgct ccatggctga acttaatgat aatcgcttgg taatgagtgg 300  
 ttagtcgctc ttgagtaaat gacttcacct ctctgaaaaa aaaaaaaaaa aa 352

<210> 1129  
 <211> 492  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1129  
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 acgtgaaatt gagcatcatg ttggtgtggt gaccagaagt agtaagggtg tagacgggtca 120  
 cattaagagc acagccgagt gtgcaatcag tcactgactg gtggggttgt aaactaggtt 180  
 cagtttttga accacagaat acctcatgtg taaatacagt gttcatgact taactgagat 240  
 acagttattg taaaaaaaaa tgtgaagccc ctggctggct cctgccttct gagtttttat 300  
 ttttacctcc tttttggaaa ggagttgttt ttgttttgtt atttttttaa taggggtttac 360  
 agctagaaat ttgaatgcc aagttctatt tattaacta ataaaaaacg ttttcaatgt 420  
 taatggctag tattttttcca ctggactatt gtttgttgat gttggaattt gtatttacag 480  
 agaaataaat tt 492

<210> 1130  
 <211> 468  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1130  
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 ttggaacat tgctcgacat ctttatttct tcatgatgtt cagataccca atggatttgg 120  
 gaggaaggaa ttttctgtcc acacctcagt tttgtaccg ctggctaccc agcaggagag 180  
 gaggggtgtc gggcttcggt gtgccccctg caagcatgag gcgagctgct gatcagaatg 240  
 gcggaggtgg gagacacaac tggggccagg gcttccgact tggagaccag tgaggagcag 300  
 ccctggcctg ctaccagcc atgctaagca gatgacagtc tcctcccagt gctgggcacg 360  
 cttaatggcc gagctcttgc tgccgctctt ggacctgacc cacactgaat gtagtctttt 420  
 ggtacaagac acatttttaa atcccgaagg aaaatacaag tggttcctc 468

<210> 1131  
 <211> 510  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1131  
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 gacttactgg ttacaagctt gttccttaaa ctttgtgtat gtttaagtgt tactaaagta 120  
 gtactaaaga aaggtttgta ttcaaccacg tagtaatat tcaagctact aaaggaatag 180  
 ttttacctat ttagacaaca gcaatttcta ctacattttt tataagctta aaactcacta 240  
 tgtatacaat agccgggtgg gtgtagaaca aaagaggcca ggaaccaccg tatacaatta 300  
 gagcgggtat aattgtttca ttaatttctc acagttttac tgtaaaggaa agtagaggca 360  
 gaatctttat actccccccg aaaaccacaa tgctgactct atgaatctgc acgccatcct 420  
 taaaatagta attaatgagc caaatgtgtt cttgacgttg ttcacaactt tgaataaact 480  
 aagtttcaaa gccaaaaaaaa aaaaaaaaaa 510



<210> 1132  
 <211> 530  
 <212> DNA  
 <213> Rattus norvegicus

```
<400> 1132
tgactttcta atccgcgtta actttcagga tgcaggttct gagaaagaga gaaaaatgaa 60
cagtctaaat gagattaaag ccttggaaat aattttgtgct tccaaacaat gatagcagag 120
atttccagtt tagtaaaagt tgatgtgact accttgggta ggcattaaga actcagtggt 180
acagatggcc caggtgatta gtcttagtaa actgtattgc catatgtcga tgttaacctg 240
ctgcagagca agggattctc gcactagggt gagcacggag aggggagaag gggagctttc 300
cccagaaaaga atagggaaag catgggacct cccagcaccg agaaagtcgc ctcaacactt 360
ccttccatga tgctcattat gcaaacctct ttagcgctct ttttaagttt gcaacgtttt 420
aaatgtaggg gaaggggaag gtttccacca actgaatcat ttgtgcacgt gtacagctca 480
aagagcttag agttcaata tatctggtga atgaaaaaaa aaaaaaaaaa 530
```

<210> 1133  
 <211> 600  
 <212> DNA  
 <213> Rattus norvegicus

```
<400> 1133
ggcaacgtct gcctcaacat cctcagagag gactggaagc cagtccttac gataaaactcc 60
ataatttatg gcctgcagta tctcttcttg gagcccaacc ccgaggaccc actgaacaag 120
gaggctgccg aggtcctgca gaacaatcgg cggctgtttg aacaaaacgt gcagcgctcc 180
atgatagggt gttacatcgg gtccacctac ttcgagcgct gcctgaaata gggttagcaa 240
ttacccatcc ctgccagggt tactggccca ggcatcccct gcaaatattt attgggggcc 300
caggtagggt gtgtggggta gccttggccc ctgccttggc cttgcctctc ctccctgtca 360
cctgccctta gttatttttt ttgaccacca cgtgattatg gtcggtgctg cctcccccca 420
cctgctcagc gatgggaaat gaattggctt gtttagcgcc cccctcccgc ctgggtgctg 480
tccaaccccc cactcttgac tgtggggtaa gtgggcaatg ggcctgggtc accaggctca 540
agcaaccacc cccaccacca ctggagggtc caccaggcta ttaaagggga atgttactgc 600
```

<210> 1134  
 <211> 1260  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 629  
 <223> n = A,T,C or G

```
<400> 1134
aaagtccctt taccacctat aaaacatcac tgetccgtcc cgcccacctc cggggctgac 60
tggtcagaag ccacccttgt ctacgtggga taattctccc cttcgtgtag gtggaggatg 120
gggaaattct gacgccagat ataccccagg ctccagctgg ggtgagagca gctcaggag 180
aataaccaat tggcttggtc tgaagaacct cacacctcag attgacggct ccaactctgcg 240
caccctgtgc atgcagcatg gccactgat tacattccat ctgaacctcc cacatggaaa 300
tgctctggtc cgttacagtt caaaggaaga ggtagtgaag gcacaaaagt ctctgcacat 360
gtgtgtgctg gggaacacta ctattctcgc tgagtttgcc agtgaagagg agatcagtcg 420
cttctttgca caaacccctg ttgttctgcc cacaatgggt attataatgc ttgcttagtc 480
agagagacta aacaagggtg aagttttaac agtacagagt atgccgtcat ttcattgcct 540
tgattctaac gtttgtgtcc taagacgcaa aagaggctct tttataatga aagttacaaa 600
gttgctgcat gtgagaggtc ttctcatana gcagcagatt aaaaatctaa gcaattatct 660
gaacgtttta cctgaacttc tccacaatca ccttgagata atgtgagaac agtggaact 720
gtagcttgct ccctcctccc ctgagcatct ttgggagctt gttgctcaaa gctcttctct 780
ggcttcacct tccccacat ctgtgcccac ctcaagcctc agcgggacca ttcggaacac 840
gaagcttact gacttgacag catcctagcg ttaacctctc atacctcaca cagtggggat 900
```

```

gccaccacct ggactggcct ctcttccccc tgccctccgc cctcctcgc tgcaggagct 960
ctgggcgag aacctgtatg acttcagtca cgctccactt gccagggtga agctaattgt 1020
ggacaccgta acctaaacaa atgtttaact cgctcgggtg gtgttgacgt ccatactggt 1080
ttttccaaaa accaaaggta gctttgaaaa accatgtgtg gagatgtttg gaacattaag 1140
ctgagtgacc gttaggggct ttgagtagta tataactgac ttcattgactt cgtaattgt 1200
attgttaaaa gtgtttggga gttttttgcg cttgttatgt ggaaataaag tgtttgatt 1260

```

```

<210> 1135
<211> 346
<212> DNA
<213> Rattus norvegicus

```

```

<400> 1135
tacgcaaaat gtccgtgttc tgcgtataaa taagtttttg gatcaccaag ctgcctggct 60
cactgtgctg atagtggaaat gaagattatc cctcgggctg taagctgcag ctttctgccc 120
actgtcatgt caaatctcta tggcaaggag aataaaagca aaggcttccc aggtatgtgg 180
tgagcctgaa gctgggtgtg gacaactggc atctgtgaaa atgattgtgt ttgttacaac 240
agacatgagt ggtgcaggat gccatgcagt gagacatggc tgcaacttta ctgacctctc 300
aagaaataaa tgtgcccatt gaaaacttta aaaaaaaaaa aaaaaa 346

```

```

<210> 1136
<211> 515
<212> DNA
<213> Rattus norvegicus

```

```

<400> 1136
taaaaaataa tttccctctc aggttggctg tgtttttaaa acatcccgtt aagcatttcc 60

acctctgaga aagtaaatgg agacacataa aggtctaaaa gccaggattt tttggtgcag 120
tgttatttat aatagtgaag acttgacaat gatcagaaaa ttcactcata agggaatggc 180
taaattatgg tataagtaca ctgtggaaaa ttatacaggc attaaaatca ttgtagacca 240
agactgctga tgtggaaata ctaagttaaa aagcaagcta caaaaataag tgtattatac 300
ttaattttgt gtttaagaaa gagtttgtct gtgttttagat tttttaaagc ctggaagggg 360
ctatgacaga atgtttacag agatcatctt tgaataactg acttatgaag ttttctatt 420
ttcttcttct acttgtattt ttaaaaattt caataacaaa catgtaatac tttcatcact 480
tgaaaacata ataaaagttg ttgttttaaa aacca 515

```

```

<210> 1137
<211> 487
<212> DNA
<213> Rattus norvegicus

```

```

<400> 1137
attgaaagga tggaggggct gagttactct tcttgggatt tgtttaattc cccttttagag 60
ctctctgaat ccatgactaa aagactcttc tgcaatttct gaagaagctt cgtggaataa 120
cctaaaaaaaa ctactgacag cctccgggta aggttagtat cgttcaggca aggcactggt 180
tagggctttc taagaacttg ttttcattga acaaagccat ttttccatct gaaaatagaa 240
aatctctaaa aagaattcaa tatattaata aggtagtatt attttcaaca agttgactta 300
gttttctcagt gcttaagtaa tgcattgtat taagtgtgta aataagtatg tatgtgtgtg 360
tgtgtaatat atggattggg aacttgtcac tcattcttat ttaaaatgct gttttgtatt 420
cttttctatta caggaatagt gggcaatcat tttgctgtat ttaagtaaat aatattttct 480
gaaattc 487

```

```

<210> 1138
<211> 315
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<221> misc_feature

```

<222> 35, 99, 120, 244, 278

<223> n = A,T,C or G

<400> 1138

```
ctgacccgtg ggttaaggta cagctgccta aaggntcata gccccacact gaccctgcc 60
tcagagatgg ctctggccgg gccagtagga aggcatttnt ctgtatatgt ccttactggn 120
tcaggatctg ggcgagcctc catcctgaga ggagaatgag aaccagtga cccccagcac 180
atgcgctgag ccgagaggat gagcctgcgt gtccgcatag gccttggggg aagagttaga 240
cagncacaac tgcaggctgc tctgttctga agacactncc gtcaggttgt agggattgag 300
aagtcctaaa cgcca 315
```

<210> 1139

<211> 265

<212> DNA

<213> *Rattus norvegicus*

<400> 1139

```
acagcattaa agtactgaaa ggatcgctgg gtcattgtga cgtgtttggg cgtggtttgg 60
ggctgtgaaa gcctagaggt ggtttctaag ctcttaggtt acagaaaagc ccgacttctg 120
aaaatgtgtt tcttataaat gctacaaatg caacaacgtt cccaggagcc tccttcagag 180
tcacggctgt gactggattt ggtggcagca cccggcacag ccttagcttt gctctgcagg 240
atgctacttg caccttaagg ctcta 265
```

<210> 1140

<211> 449

<212> DNA

<213> *Rattus norvegicus*

<400> 1140

```
tccttcttgc cattccattt tcttgactgg gatccaaacta tcagcagtgc ttgctcagta 60
gtgattcttc tcattgaaca gactgggctc tacactagaa catgtgtcca gaatccacaa 120
tgcttggttc gtggtgctag aataactagc caggatgtgc cagaaagaca ggcaccaaca 180
actgtctgct agctctgaaa tgaaaagagc ttggtactgg atggtgtgct agtcttactt 240
tcagtgcctc acaggtcttc attatctcat tggcacttag atatacaaaa gctgattgtt 300
caccaaataa atttctgctt ctctgtattt catgtatttg taagaaaatg ggagtgatag 360
ggaactttat ttatggcatg aaaataaaaa tctggtggct tgattctaac tcaaaaaaaaa 420
aaaaaaaaaa aaaaaaaatg gaagcgggcc 449
```

<210> 1141

<211> 619

<212> DNA

<213> *Rattus norvegicus*

<400> 1141

```
caagcgtgtc cagatgtatg gagcttacct ccgcatccat gccacttca ctggactcag 60
gtacctgcta tacaacttcc ccatgacctg cgcttctgtg ggtgtggcca gcaacttcac 120
attcctcagt gtcacgcgcg tcttcagcta tatgcagtgg gtgtgggggt ctgtctggcc 180
ccgacaccgc ttctctttgc aggttaatat ccgacaaagg gataattcag gacacggggc 240
ccagcgtcgg atctctcgcc atcagccagg tcaggcgtct acccagcagt cagatgtgac 300
agaggatggc gagagccctg aggatccctc aggaacagag ggtcagctgt ctgaggaaga 360
gaaaccagag aagcagcctc tgaatggaga aggggagcag gagccagagg ctagtgcagg 420
ctcctgggaa gatgctgctt tgctgaccga agcctcaacg tctgccctcg cccctgagac 480
tctgggcagc ctgaggcaac gccagacctg ctccagttcc tgaacaaaag ggtggagtct 540
tcacattcca gcactttccc atagggcacc tcttcccttg ttcccttaat aaactatatt 600
gtgtcagctg ctagtatgg 619
```

<210> 1142

<211> 455

<212> DNA

<213> *Rattus norvegicus*

```

<400> 1142
ctgaactggt tgttttcaca atttagtctg ccctttccga tacatttgta ttacattcct 60
tagatcggtta gtcctcacca caagctttgg aaatcgtatt tactcctgac aagtcaaatt 120
cagctctcgt gggacagcgt tctcccattt cctagcagtg agttttgtct ctcaagtcca 180
atgggtatttg gttcttttgt gatattttatt gatttctgtg ttacagtaca gggagggtatg 240
tatgtgtgac atctccacca acctgaaacc ctgaaaaaga cccatgttgt acagggtcttc 300
ataaaccccta aggtgtttta tggcatctga catgaaaaaa gtttctaaaa acgctgaata 360
cctgtgaagc ataaagaatg attaaatgta agcatctact tagaatatta ataaaacatt 420
gtattctgat acaaaaaaaaa aaaaaaaaaa acttg 455

```

```

<210> 1143
<211> 608
<212> DNA
<213> Rattus norvegicus

```

```

<400> 1143
catggagggtg gaccggctga agttgacttt tgaggatacc accgactttt ttgaccgtgt 60
agtcactctac cacctgcggg tgcctgggtga gaaggcaggg tgagaagtat cggcggttac 120
ttcctccagg aagccccgct gggaggcacc cagaagccct tcaagttctg cacagattta 180
ttggttcctg ttggggaggg ctcttccac cactgtccag gagctgcctt ccaagccagt 240
tgtgggctga ctggtttgtc cctgagtgcc tgggttccca acaggctgtc ttcactccgg 300
gtccgcaggc cccagggtac cctggaacag tttgaggatg tggctctcca tcacctgttg 360
cactgtggga ggaggtggg ggaggtgtga gctgggcaca ggggctgaag aagatgctca 420
gactcaggag cctctctgct cttgctgggc cgggcttgca accctgagaa taggttgctt 480
taaggcaagg tctgctggtc tcccttccac ttgctgcttc ccactcacc tccgaatcgt 540
agctcttcct gcctccagaa ccatgagtc aagtaaaaca ttaaaaacat caaaaaaaaa 600
aaaaaaaaa 608

```

```

<210> 1144
<211> 515
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<221> misc_feature
<222> 11, 18, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112,
113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124,
125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136
<223> n = A,T,C or G

```

```

<400> 1144
gcgcgaggactg ntgcggcngg ggaagccatt gcctgggttaa tagttgctgt tgctgcactt 60
ccgcttctct cccagcgaga gcgagacacg agtggccagg ccnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnacgg agcagccaga caciaagaga ggggccgttc gcgggggtggg 180
gtgggggggt cgctatgtcg gatgacgatt cgagggccag caccagctct tcctcatctt 240
cgctcctcaa ccagcagacc gagaaagaag gcagcaccac caagaagaag gagagtaaa 300
tcagcatgag caaaaactcg aagctcctct ccaccagtgc caagaggatc cagaaggagc 360
tggcagacat cacttttagac acgccgcaa actgcagtgc tggccccaaa ggtgacaaca 420
tctatgagtg gagatcaacc attctggggc ctccagggtc tgtgtatgaa ggtggagtct 480
tcttctcga catcactttt acaccagagt atccc 515

```

```

<210> 1145
<211> 301
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<221> misc_feature
<222> 103, 245
<223> n = A,T,C or G

```

```

<400> 1145
cgggcgggca gctgcgggcg ggtgccgggc tctcttgtct cgcttcgccg tgcgtttctc 60
cccgccatgg agtactggga gcgattcacc cctgcgaaga acnctgcatg gaactgcgac 120
gcgagccttc ccactcatcc ctatagtggg ggagcagacg ggtcgaggcg agcgcgctta 180
cgacatatac tcgaggctgt tgcgggaacg catcgtgtgc gtcatgggcc cgattgatga 240
cagcntggcc agcctgggtca atcgcccagc tgttgttctt tacagtcaga aagcaaccaa 300
g                                                    301

```

```

<210> 1146
<211> 379
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<221> misc_feature
<222> 7, 29, 31, 33, 39, 40, 42, 44, 45, 46, 47, 73
<223> n = A,T,C or G

```

```

<400> 1146
gccagancgg ctttaggaca ggctaagcna ngnggagggn antnnnnngg aggaggcagc 60
cgcggtcat gtnaccgaa aggtcctga cggacgccgt ccctcctcgg cgccgcctga 120
gcgcccggcc cgaccccgcc atgggggtgt gctatagcag cgaaaacgag gactcggacc 180
aggaccagga ggagaggaag ctgttggttg accccagtaa caccctacc aaagccctca 240
atggagccga gccagctac catagcctgc cttcagctcg cacagatgag caggccctgc 300
tttcctccat ccttgccaag acagctagca acatcattga tgtgtctgcc gcagactccc 360
agggcattga gcagcatga                                                    379

```

```

<210> 1147
<211> 490
<212> DNA
<213> Rattus norvegicus

```

```

<400> 1147
agcgcggggg ccggccgtga ggagcgctgg agctgccggt agggaaacatg tcggagtccg 60
agccggggcag aaagtgggac cgggtgtatgg ccgacgcggt agtgaagcta ggtactgggt 120
ttggattagg aatggttttc tccctcacct tctttaagag aagaaagtgg ccattagcct 180
ttggttcttg cgtgggactg gggatggcct actccaactg tcagcatgac tttcaggctc 240
catatcttct acatggaaaa tatgtcaaa agcagtgact tatgctgaga acatcccagc 300
gggagaaaaa agaagcctcg tttattcctc aggaatactg aagtgccctg gagtgcgctg 360
acgtcctgtg acagtgccat cagcaacgct ttcaactcca gccactgttt atgtgtttga 420
aaccaagtct gttgcttttg tatcatctct ttggaaattg taaggagggtc ttaaataaat 480
gagaaaacagg                                                    490

```

```

<210> 1148
<211> 238
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<221> misc_feature
<222> 48, 61, 160, 173
<223> n = A,T,C or G

```

```

<400> 1148
cgcacgagct ggggggtcccc gggggggcgcc cgcagttaag atggcgnta cagcggacgg 60
ngacgtggga gagacgctag ggcagatgcy gggactgtgg ccgggtgtcg aggatctgag 120
ccttaacaag ttggcgacgt ccctgggcgc gtctggacan cgcgctgcgg ctnatcttct 180
ccatcttcct gggctacccg ttggctctgt tttatcgcca ttaccttttc tacaaggg 238

```

```

<210> 1149
<211> 290

```

<212> DNA  
 <213> *Rattus norvegicus*

<400> 1149  
 atcaattatg tgaagggaca tgcagacagc ctagcttcat ggtgctgtgg gtagaactga 60  
 ggatccccct ggccagaccc cagcacggcc atgtcttccc caaggatcat gttcctagag 120  
 gtcgcgcccc tggctctcct caagtggctg tgcacagcag ctctctggag gcgtttggaa 180  
 cactctgccc tcacacatgg gactgctctt cctgaagccc acactgctcg tgggaaacat 240  
 ggaaaggaag gcgtgtcgtg tgtgctcagt agattcccaa agccacctct 290

<210> 1150  
 <211> 483  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <221> misc\_feature  
 <222> 263  
 <223> n = A,T,C or G

<400> 1150  
 tcgagcggcc gcccgggcag gtacctgctg ccccgctgct tcactcctgg ggaggcactg 60  
 ctggtattgg gtggcattag cttcgctcctc aaccagctca tcaagcgctc tctgactgaa 120  
 agccaggggg acccagtggg cttcttccctg ttggtgggtg tgggtgggat ggtgctcatg 180  
 ggtgtctttt tcagcaccct ctttgtcttc atggattcgg gcacctgggc ctcttccatc 240  
 ttcttccacc tcatgacctg tgnctggggc cttggtgtgg ttctgcctg gctgcactgg 300  
 ctcatctgta ggaacccctt gctctggctt cttcagttcc tcttctacac agaaactcgc 360  
 atctacctcc tagcctattg gtcccttgctg gccaccatgg cctgcctggg ggtgctgtac 420  
 cagaatgccg agcgggtcatc ttctgagtcg aagaagcaca aggctcctac cattaccaga 480  
 aag 483

<210> 1151  
 <211> 369  
 <212> DNA  
 <213> *Rattus norvegicus*

<400> 1151  
 agcgtggtcg cggccgaggt acttcaaccc cataggcgcc catgcctctg gccgcatcgg 60  
 cgaagatcct cagggtatcc ccaacaacct catgccctat gtctcccagg tggcaatcgg 120  
 gcgacgagag gccctgaatg tctttggtga tgactacgct acggaggatg ggacaggcgt 180  
 gagggattac attcatgtgg tggatctggc caagggccat atagcagcct tgaagaagct 240  
 gaaggagcag tgtggttgcc ggatctacaa cctggggcacg ggcacaggct attcggtcct 300  
 gcagatggtc caagccatgg agaaggcctc agggagaag atcccgtacc tgcccgggcg 360  
 gccgctcga 369

<210> 1152  
 <211> 246  
 <212> DNA  
 <213> *Rattus norvegicus*

<400> 1152  
 agcgtggtcg cggccgaggt ccataaaggc tgatgataag ctgatttctg aggaaggggt 60  
 agacagtctg actgtgaagg aattgcaggc agcgtgtcga gcacggggca tgcgagcact 120  
 tgggtgtcaca gaagaccgtc tgaagggcca gctgaaacag tggctggact tgcacctgta 180  
 tcacgagatc cctacatcat tgctcatact gtcccggggc atgtacctgc ccgggcggcc 240  
 gctcga 246

<210> 1153  
 <211> 811  
 <212> DNA

<213> Rattus norvegicus

<400> 1153

```
tcgagcggcc gccggggcag gtactcctct gaggactaca tcaagtcagg agctctcctt 60
gcctgtggta tcgtgaattc tgggggttcgg aatgagtgcg atcctgccct ggcactgctt 120
tccgactacg ttttccataa cagcaatacc atgagacttg gctccatctt cggactaggt 180
ttggcctatg ctggctctaa tcgggaagat gttctaacac tgctgctacc tgtaatggga 240
gattccaagt ccagcatgga ggtcgcagggt gtgacggctc tggcttgtgg gatgatagca 300
gtgggggtctt gcaatggaga tgtcacttcg accattcttc agaccatcat ggagaaatct 360
gagactgagc tcaaggacac ctacgctcgt tggcttcctc ttggcctggg cctcaatcac 420
ttggggaagg gcgaagccat cgaggcgatc ctggctgccc tggaggttgt gtcagaaccg 480
ttccgcagct ttgccaacac tctggtggat gtgtgtgcct atgcaggttc cgggaacgtg 540
ctgaaggttc agcagctcct ccacatctgc agtgagcact tcgactctaa cgagaaggaa 600
gaagacaagg acaagaagga aaagaaggac aaggacaaga aggaggcccc tgccgacatg 660
ggagcacatc agggagtagc tgttctggga atcgactta ttgctatggg ggaagagatt 720

ggtgcagaga tggcattgcg aacttttgggt catttgctga gatatgggga acctaccctc 780
cgtcgggctg tacctcggcc gcgaccacgc t 811
```

<210> 1154

<211> 1059

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<222> 54, 62, 67

<223> n = A,T,C or G

<400> 1154

```
acggatttta aaccatatca tggctgtcac cacacatgcc ctggacattg gtgncatgac 60
gnccttnttc tggatgtttg aagaaagggg gaagatgttc gagttctatg agcgggtgtc 120
tggagcccggt atgcatgctg cttatatccg accaggagga gtgcaccagg acctacctct 180
tgggcttatg gatgacattt atgaattttc caagaacttc tctcttcgga ttgatgaggt 240
ggaggagatg ctgaccaaca atagaatctg gcgaaatagg acagtcgaca ttgggggttgt 300
atctgcagaa gatgcaactga actatggatt cagtggagtgt atgctccgag gctcaggcat 360
ccagtgggac ttgcggaaga cccagccata tgatgtttac gaccagggtg agtttgatgt 420
tcctatttgt tctcgagggg actgctacga taggtatctg tgtcgtgtgg aagagatgcg 480
ccagtccctt cgaatcatcg aacagtgtct gaacaagatg ccgccggggg agatcaaggt 540
tgatgacgcc aaagtgtccc cacctaaacg agcagagatg aagacgtcca tggagtcaact 600
aattcatcac tttaagctgt atactgaggg ctaccaagtt cctccaggag ccacatacac 660
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<210> 1155

<211> 798

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<222> 794

<223> n = A,T,C or G

<400> 1155

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aaacataaac	cttctgatta	aaaggaaaaa	aagtaggttt	cagaaaagga	accagcacag	720
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<210> 1156

<211> 1221

<212> DNA

<213> Rattus norvegicus

<400> 1156

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<210> 1157

<211> 623

<212> DNA

<213> Rattus norvegicus

<400> 1157

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<210> 1158



<211> 1076  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 36, 48, 53, 62, 63, 70  
 <223> n = A,T,C or G

<400> 1158  
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 gttgggattg cccgggatca gaccaagtca attgttgaaa agatccaagc aaagcttcct 180  
 ggaatcgcca aaaaaaggca gaataaacac atggaagcca gaagtgcaac agttactaaa 240  
 acgccattta atagttataa catcgtcact tgtactatga aggaacttgc tcagtgtcag 300  
 ctagagtttg gttccagggt gtttgttctt tttaatttgg tgttctctcc catcctctcc 360  
 ctttaccctc agtaccgaag acaagatgtg ttagactgaa aaaaagaact gatctcttag 420  
 aaccctaaag aataaggatt gaatcagatt gatagaatta atcagaccat agtgggtgtg 480  
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 taacttatga gtaaatagtc tggggcaaga gtgggatttc ttcagtccca cctcctgcc 660  
 ttacacataa gcagctactc ttctgtctcc tcttctgctc taatgaaaga acttacaggc 720  
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 gtacactgct ataaacttgt taaagaaaat ttggcaagga aaaaaaaaaa aaaaaa 1076

<210> 1159  
 <211> 1447  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1159  
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 gtgcaggccg ggtccctggg atcttagcac cctctcttcc ccccggcaga gagcctcgga 180  
 aaggcttaga ggtcactctg tgtagccgag tggcgcggtc gtcattgttt ctgtctcgcc 240  
 cacgtctaaa gcctcttcgc aaactgctct tgtggcccca ccagacaca tcggccgcca 300  
 ttgctccga gccacctta gttctcagct ctgtatcaga aatgctgctc ctttgggaac 360  
 cacagctaag gaagaaatgg cacggttctg gaataagaac acgagttcca accgtcctgt 420  
 ctctcccat ttgactatct acaggtgggc tcttcccatg gcaatgtctg tttgccaccg 480  
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 tcctgggaac tttgagtcgt atctgatgct tgtgaagtcc ctgtgtttgg ggccagcgt 600  
 gatccatgca gccaggttcg tgcttgtctt tcctctcatg taccactcat tgaatgggggt 660  
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 agtgacggtc ttggttcttg cagtgtctgc ctctgcagga ctggcagcca tatgaagagc 780  
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 tttccatgta tgaggaagat caaaaaaaaaa ttgtattaag attgtttcat ttttcatttc 1320  
 taggaacata cacctttaat gtcatttttt ctaatctaaa ttcattgtacc atctttcttt 1380  
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 cactttg 1447

<210> 1160  
 <211> 903  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1160  
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 ggcgtgaggc agagagcaga catgtgcaca ctgtgccgac ctctcagtc acgcctccac 180  
 cccgaccttt atccatgttt tcttcctgga gaaagtgtca gaaaagtgtg cagcctgggg 240  
 ccaacctgcc tctcaacctt ttagtatcaa gcgacttaca gaagttacag aattcacctt 300  
 ctatttcctt tgattttact tgtctgaact cattctagat tatttaacat tataatttcg 360  
 ggcaaccata caagagagaa cacagtgacc taagagaata ctgaaccaga gtcagtcaca 420  
 tacatcactg accctaacgt tgtattttaa ctgggtcccaa aggaatgtat caccccaaga 480  
 gtgtgagagt caggcaagca gaacgtctct ggggaaggaa gaaaggggct atagaacagc 540  
 caaacttact gaaaattgtt aaaacggctc ttttccaccc gaccgacact accgtatgca 600  
 tagaatcttc acagaatcag agttgccggt attacctagt tcaggctggc ccaatccagc 660  
 acagattctg tctcaacctt cccccacccc cttccgaggc tccgaacagc aagacattaa 720  
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 atccagggtat tgcctatgga tgagaaagct ggtaaaccaca agagagctct accgttatac 840  
 gccaaacacg gaacatgagc actccgtgaa gcgagtctca taccaggt gtaacctggg 900  
 gag 903

<210> 1161  
 <211> 751  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1161  
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 tgagaggtag aaacaccgta gtaaagacct aaaaatacaa acatcctata cataaacgtt 180  
 caaattaact gctagaattt catacagata aataatgtaa aaattacatt actttgttca 240  
 ccaagtaaat gaaaaccatt ttctctgtta actttaatca gcacactaaa gtaagtgtgg 300  
 tgccaaagag cttctgtgca gctatcagag cgcagggtcat tatgtcaaag ttttgaagta 360  
 aaaagattaa aaccgggtgaa tgggtttattc aagtattaaa gcaggtaagt aaaagaaacc 420  
 aaataatata caacatagaa accattcttg gggagatggt gatctgccat gaccagctat 480  
 ttgtgaactc agggttaaca ctgagaagta cacattagtc tggagagagc tgcccatttt 540  
 tctaagggaa aacaaacctc atttcttact attttatgta gaaactccac atcactaaca 600  
 gccattattc atcactttga tttggcccta taaaattctc aagagtattt cttgattcat 660  
 gatagctttc taatactgcc caaatcaaca gcctttaata aaactaaggc cacaagaatc 720  
 gatgaacatt ctgcatgcac aacaaaaaat g 751

<210> 1162  
 <211> 685  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1162  
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 acacttcgaa aggaaaaaaa attataaacc tggcctggta cccattacat atatacatca 180  
 tacgttatcc acatatatac agtaaagtgt ttggtagcaa catagaccat gcgtcggctc 240  
 tttgtacaca gatgaagtag caccgtcgat agcaccacca tcttcagatg ataaacccaa 300  
 ctacacacag caaatggaaa gatagatggg attcgttttg cccaccctgt agccaagagg 360  
 tataaggaaa gtaactacat aagaaagatt attctgaaaa ctatatctgt aggccagtgg 420  
 caaagtctta aaatggacta aaaaaaaaaa tgctaccact acagatgtat atgcaaacag 480  
 acacattttc ctgggtagtg aatttgttct acggtatggc ataattggta gtgctggaaa 540  
 aaggggacagc gtggacagag agagattttac atagcaggca aatggcagg ggataacaca 600  
 cccatctctt ggtgtagaca tcccaaaggc caagccatta cggacaagct atggaaggga 660  
 gataacacct cgccgcgacc acgct 685

<210> 1163  
 <211> 366  
 <212> DNA  
 <213> *Rattus norvegicus*

<400> 1163  
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 ctttaaagga gcaatattac ttgaaagaaa agtagatcat ttgccagctt aatgtgtcta 120  
 ttcaccttaa atgtgtatat gtttccatga ctttttatga gtggcaaata tcctgaaaac 180  
 gagagaggtc gagttgcaa tgagaattgt tcatcagaac tgatagttct ctgactctaa 240  
 gatatcactt tcaggacaac aagatcatgt ttccctttag gttcctggaa agacatggga 300  
 tttctaggca aacttgattt cactcattgc ctacttgagt tccttggttaa atgatggggc 360  
 aagact 366

<210> 1164  
 <211> 623  
 <212> DNA  
 <213> *Rattus norvegicus*

<400> 1164  
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 ttttgtttcc ttttcttgac ttttcgtttg tttgtttgtt tctgtataaa acccagatgc 120  
 caccaaattg acattgatag ctgcattaag gatcagtagc attaacaaaa gttgctttta 180  
 aagccattac gtaaaacaag acttgaacat tagcgagagg gtcgagcaga gcagccgtgg 240  
 gaaccacccc gtttccccctt ggacctccta gtcaattacc ctgtgctctt agaacatgga 300  
 ctgaccgtgt gcaaaacttt ttatgtgcca aaattctcag tgacttttagc tttctccctc 360  
 ctttttgatg ccgtactttc tgttcgccat gttttgctgt gatgttacat agatagattt 420  
 gtatgtagtt ttaatgtcac ctataacaaa atgtgttttg tagcagactg tccagaaagc 480  
 attttaaatg aagaggtcta aacccttaag ggccaaaaat tctgtatatt agattactct 540  
 tacaatgaaa aagaacacaa agtacaacaa aaaaaaaccc attttgacag cttcatgtgt 600  
 acctcggccg gcgaccaacg cat 623

<210> 1165  
 <211> 1002  
 <212> DNA  
 <213> *Rattus norvegicus*

<400> 1165  
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 gattgagcta aatccccaac cccacactgc agtcattttg aatgcttagg acagcactga 120  
 ttggtgagcc aataaacaac agcggagatg taataacaag gatacatggt gttagcagag 180  
 acacgggtat ctttctgtgc tgttaacggc ctcgattgac tggtcattgt caggacagtc 240  
 cagagagtta accatacggg gaatcccagc tagaactgtg tgtatgtgag ttttactatg 300  
 aagtcctttg aaacaggctg gttagtgggt gtgcatgtgc ctttaatccc agcatttggg 360  
 aggaagaggc aagcagatct cttaaattcaa gtccgtcctg gtctacaaag tgaattccaa 420  
 gggcctgtct ctaaaacaga caaacaacaa acctaccagc tctgccaggt gtaacatact 480  
 ccgaagctca gtattcactt gttttcagat gtttggtata tttgtagtcg gacaggggtg 540  
 tttcctcagt gtctcgttga aagcatgctt gcttttctca acacagcttt gacagctctc 600  
 agaaaagcct ctttgtggct tatgctaaga ttaggattgc ttttcttctt aaaactcttg 660  
 gcttcctatg ttccctgtca gattatgcat gaactaacaa aacaaactta agttggcctt 720  
 gggaagtatt tgaatgaaaa atgtaatggg gaggcttct tagactccct gagcattctg 780  
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 gtttgtggca aggagttctt cactgaagtt tgtatgtgta ttacagagt aactattttt 900  
 gagaagtatt tattacagta atccataaat aacttttaac cactttaaag tacactgaat 960  
 gcttatttct gaaataaaat ttctagccaa atggttaacg ct 1002

<210> 1166  
 <211> 751  
 <212> DNA  
 <213> *Rattus norvegicus*

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<400> 1166
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tacatttggt tagatacata caaaagcagc tgaaaccctt gggcccaccc agactcgctc 180
tctgtgtgaa cacactgata tccatggatt cgtttcagga ccggtggaat tttttccttt 240
gatacagggt ttctttgtgt agccctggct gtccctggaac tcgatctgta ggtcaggcta 300
cactcggatc taccttcctc ctctgcctct gcctccagag tgctgggatc aaggctgtgc 360
caccacaccc actcaggacc agtgaaactt gatcagaatc ctccccagtc cttgctaact 420
attctcatga gttactttta ggggtcccca cattataccc atttccctaa ctgtagtggc 480
tttttactat ggtagtata tccagcaaag tatgtgctag ataagaaggg gaaattaaat 540
ggggacttcc caaccatctt gaacagtctt gtgatgggtc tgggtgtgtcc ggtgcactta 600
taaagtctgt ggaaggcggg acagtgcagc aggcagtggc gaaaccctga gccgctggcc 660
agagcacagg cggcagcgaa agcagaccag gagcaacagg atagcaagtg ggttccaatt 720
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```

<210> 1167
<211> 201
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<221> misc_feature
<222> 6
<223> n = A,T,C or G

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<400> 1167
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gggctcgaaa tctgatcttt gctcgacacc aatgttcagt gattacgtcc aaagaacttt 120
tgaggttcat agaaaagggt tcgggtgcac cgtgtgctgt tgaatttggt atgtgttgta 180
cctgcccggt cgcccgctcg a 201

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<210> 1168
<211> 224
<212> DNA
<213> Rattus norvegicus

```

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<400> 1168
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acagagtcac ggctgtgaaa aacacctctg cgtatcatgt aagtggggcg aacatgccga 180
agagccttcc aagttatcct gccgcgggta ggtcagtcct gaat 224

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<210> 1169
<211> 521
<212> DNA
<213> Rattus norvegicus

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<400> 1169
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taaaataggg acgtacaagc gcacacaaag tctccagttc atatgtaagc cctctccaga 120
gttaccacac tacatctcaa cttcaaagt gcttgtcctc ttcatagcag tcatctcctt 180
ttagggctct ccactgtcac aaaacagaa cctttccaga acacacacca ccacataccc 240
ctagacacca ctccctaagt ctgacttccg cagtctcgag ttctaagcac tctgggatcc 300
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tggggggcca cttgcttcca ggagatttcc ttgatagagc cggcgaaggc gagagagctc 420
tctctctggt ggctgttgcc agctgtacca cgggtaccaa ggttcacccg acaacaacgt 480
gggggctggt ggagtcacac tgacagctcc atgtacagtg c 521

```

```

<210> 1170
<211> 623

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<212> DNA  
<213> *Rattus norvegicus*

<400> 1170

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atcaagtggc ctctgcttcc acctagaagac attaaagacc tcatggatct tgaagctgtc 120
catgatgtct ttgatcttta cctgtggcta agctaccgat ttattgatat gtttccagac 180
tccagttttg ttcgtagtct ccagaaagaa ctggatgtca ttatccaaga aggtgtgcac 240
aatatcacca aactgattaa aatctctgag tcacacaagc tcttgaatct ggagccatca 300
gggagccagt cacgtttgcc aggagcctcc aagagcccag ctagaaggac acgtggcact 360
aaaacaggga ataaggcggc agagccaccc agccccagtg acaaggagct gccccttgcc 420
tctaggctgg tgcagcaagg actcctcact gcagacatgc tgaagcagct tcagaaggag 480
tggctgacac aacggccaga acaaggcaaa gagaaagtgg ggacacggag aaagaagaag 540
gacccaact ctgattagtc tttttttaat ttgtcaata aaaatcaatt ttaaatcctt 600
atgcacacaa aaaaaaaaaa aaa 623
```

<210> 1171

<211> 1150

<212> DNA

<213> *Rattus norvegicus*

<400> 1171

```
cacagggatg tcgctgctgc ggctgctgcg cttcttcccg gtcgctgta ccggccgctc 60
ggcaagggtc gtcctgctcc agccgtccca gccatggcac acgcttcacg cgggcccctc 120
gttgctgctc tctgctcca gcaaggagct cctcatgaag ctgcggcgga caacaggcta 180
ctcctttgtc aactgcaaga aggtctctga gacttgtggc ggggatctca agcaggcaga 240
ggcctggctg cacaacagg cccagaagga aggatggagc aaagccgcca agctccatgg 300
gagaaagact aaagaaggct tgattggcct gctgcaggag gaaaacacag ctgttttagt 360
agaggtaaac tgcgagacag atttcgtctc cagaaatgta aaatttcaac agttgggtcca 420
gcaagtagcc ctgggaacca tggcacactg tcagaacctg acggatcagc tctccacgta 480
cagtaagggc ttctcaact cctctgagct ttctgaactt gcagctgggc ccgacgggga 540
agggtctctc aaggaccagt tggccttagc gattgggaca ctgggagaaa acatgagtct 600
taagcgagct gcctgggtga aggtgccctc tgggttctat gtcggtctt atgtgcacgg 660
agagatgcag agccccctcc tccagaacct ggtgctgggg aagtacgggg ccctgggtcat 720
ctgccagact cctgagcaga tcacaaacct ggagcaggtt ggccgcccgt tgggacagca 780
tgtgtgtggc atggccccct tctcagtggg ctccctggat gatgagcctg gaggggagac 840
agagacccgg atgctgcccc agccatatct cctggatcct tccatcacac tggggcagta 900
tgtgcagccc cagggcgtga ccgtagtcca ctttgtgcgc ttcgaatgtg gagaagggtga 960
gcaggtagca gaggtgaat aggtggaaat atttaatttt catacctgga tttccttata 1020
aaaagtatt ttctaaacct ctccaacct cagatttttt ttttttagtt taaaatgaag 1080
ttatatattc atgggtaaaag ttattaaata tcaatgtaat aaaccatgat catttatttg 1140
cataatactt 1150
```

<210> 1172

<211> 543

<212> DNA

<213> *Rattus norvegicus*

<400> 1172

```
tttttttttt ttttttttct attttttttc cgtgtgtatt ttttgttttt taagtttttt 60
ttttctgtaa aatgtcccgg ttttccataa cttataaaca tgatttctat ggaggggtgg 120
aggggaaagt gacaggcggc ccggcgctcc tctgctgccc tcaggaggac ggggacatca 180
agtctttcct ccctgagcct gtacagccgc ctctgtgccc ctgcctgggc gctcacatc 240
gaatgccctt cagatcccag aactccctcg gggaccccag gcctccagac actgtcccct 300
ggcgctggga tcctcgggca tggggtaggt cccctccttc ccaactgcccc aacccaaga 360
gagagggagg aggggagggc agctggccca gcagtggctc gcacaagaag gccaggagga 420
ctcagccgat ggtgaggcca aagccacaca ggaacttatt cttgcggtgg ttcaggaagg 480
cgcagagcga cagtgtcagg ggcaaggggc gaagcttctt ctccagcgtg ggaccctcgt 540
gcc 543
```

<210> 1173

<211> 252  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 202  
 <223> n = A,T,C or G

<400> 1173  
 gggactacag tgttctctac gttgttcctg gtcctgtaag attccagtac gtcttgattg 60  
 cagctgtgat tggaacaatt cagattgctg tcatctgtgt ggtggtcctc tgtatcacia 120  
 ggaaatgtcc cagaagcaac agaattcaca gacagaagca aaatacaggg cactacagtt 180  
 cagacaacac aacaagagca tncacacggt taatctagcg ggagcatgtt tcccagtggtc 240  
 cggacaaccg ac 252

<210> 1174  
 <211> 215  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1174  
 ttaaaggaat ctttgaggaa gcaagccagg ctttaaatcca cggagacagc caccatttgt 60  
 gtttcatgcg tcccttagcg tcatgagaat gttcgtactt gataagaact tacgagttct 120  
 gtggtggaac attactttta tcttcatagg atgagccctg taaaaaacta gtcccaaaat 180  
 aaatgtatct tcattggcaa aaaaaaaaaa aaaaa 215

<210> 1175  
 <211> 221  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1175  
 tatatatattt cctgaatgcc aaaatgggtg agagaaacag tacttgctgt gttggcttac 60  
 agtgggtctag aggttttagaa catgttagtg tcctgaactt ccttcagaat ttcattcctc 120  
 ttttattcaa aaaactacac aatcagcctg acactgtttg aactcttact aaagctactg 180  
 gattatctgt catcttgaca catgtgaacc tttttccggt t 221

<210> 1176  
 <211> 402  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1176  
 ccctggaata tgtggtgttt gaaaggcact tgatgaaccc gtatgggagc tggagaatgc 60  
 atgccaagat tgtgcccccg tgggcacccc ctaagcaacc aattctcaag accttgatga 120  
 ttcctggtcc tcagctgaaa ccgtgggagg agtacgaaga gacacaaggg gagggccata 180  
 agcctcaact aacctgatgg catgaatgac tcctggggag cctggcagag gtggcgacac 240  
 cctttaatcc cagcactcgg aagacagagg caggtggatc tctgtgagtt caagggcagc 300  
 ctggtctaca gaacaagtgg cagggcagcc tgcgctacac agagaaccct gtctcagaaa 360  
 aaaacaaaag aaaaaaattt aaaaaagact tctgagaggt gc 402

<210> 1177  
 <211> 377  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1177  
 aagctcagtg gcagaggtgg gattgtctgc ggctattatg aaggctggag tggagtataa 60  
 attttatgta gcactcatta tagccatact gcctgggcac attgcttgaa tgcattgatt 120  
 ctatgtatac ttttgtgaga tccccaaagc cccttggcga tgagtgatgg aggttgactt 180

tgaaccatca	cagtccagtt	tcttcagtac	caggctatgt	agtaagggtc	agtacatatt	240
tgatacagct	aatacttttt	ctgaggctaa	ggtatggctt	ggtgggtgcca	taatgtacaa	300
tatgtatgag	gtccctgggt	caggacccag	catcagaagt	gtttttttcc	taaattgggt	360
aaaaaaaaaa	aaaaaaaa					377

<210> 1178  
 <211> 541  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 21  
 <223> n = A,T,C or G

<400> 1178	
ccacagctgc	cctgacctct nttcattacc tgtggttaca caggtaatgc tgggccaaca 60
gcatgcaatg	ggaagtatac cagctgaggc agagggagtt gaggccagcc tgggctacat 120
agtaagtttc	aggccagcct gggctacata gtgaaatcag gtctaaggaa aaaatatgaa 180
ggaaaaatga	aaggcctttt gtcctgcatt ctgcatttgt ttcgtgaatg tttgacctac 240
ctaaagttcc	cttcaagcca gatgtgacag tagtggatgc caccagtggt gtaggtgagc 300
aggagtctgt	ggcattacc tccaccttg ccttcgcatc cacagagtaa cagatgtagc 360
tattccagcg	ttaaaacttg cgggcttggt ctggagagat ggctcagcgg ttaagagcac 420
tgactgctct	tccagaggtc ctgagttcaa atcccagcaa ccacatgatg gctcacaac 480
atctgtaaag	agatccgatg ccctcttctg gtgtatctga agacaggtag agtgtacttg 540
t	541

<210> 1179  
 <211> 61  
 <212> DNA  
 <213> Rattus norvegicus

<400> 1179	
ccgctacggg	gtgtagactg tgtctgaaaa tagcgggaac cgcccatgtc cccgtggggt 60
c	61

<210> 1180  
 <211> 530  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <221> misc\_feature  
 <222> 17  
 <223> n = A,T,C or G

<400> 1180	
gaataatggt	gcatacntaa gataggctca cagatgaaaa gcacttgtaa tcccacaccc 60
agctttacac	gtgtcagttc ttataaggaa aaaaaaggct atgatttaga tctaattttt 120
tagataatgc	agacctaatg atgcagatcg ataactcctt gttacaagta cccaaatcaa 180
tgcaaagggt	ctcatcaccc cagaaaagccc ttcacgcctc agtctgtgct gcgctgtctc 240
cccgcagagg	caaccagtag gctgcttgcc tttaacctcc atgtgttagc tctacctagt 300
ctcaaccgtc	gtgaaaatga actcatgtag tatacacctt gtgtctacct tctccttaa 360
gcagactttg	gaattgatat gtgtttcgta tatcagtaac aagtagtagt tttcaataag 420
tagtgtactg	tacaaatgtg ttctcttggt cctagtattt tgattgttta cagcttgggg 480
tattgtgaat	aaacctatgg acatggaaac gttaaaaaaa aaaaaaaaaa 530

<210> 1181  
 <211> 451  
 <212> DNA  
 <213> Rattus norvegicus

```

<400> 1181
caaccgagtc aggtgggaaa ggaaaggtta ttggattttt aaaggaaaaa tttcacttta 60
agaaaaataat catgattgga gacggagcca cagacatgga agcctgccct cccgctgatg 120
ccttcattgg ctttggaggc aacgtgatca ggcagcaggt taaggacaat gccaaagtgg 180
acatcactga ctttgttgaa ctgctaggag aactggaaga atgatctgga cttcccggtc 240
actcagaaca actccacctt ctgcagccta cacagttggg ctccctggaag agtctaggag 300
acagctatct ttttctactg tagttccaat attaatatga ctactaatta catggagagt 360
tttatattct gaattctttg tgtatatcc tcggaatatt ttacctggag ctttctgagg 420
tgcatagtaa attaaatgcc tttactcttg c 451

```

<210> 1182

<211> 652

<212> DNA

<213> *Rattus norvegicus*

<220>

<221> misc\_feature

<222> 588, 598

<223> n = A,T,C or G

```

<400> 1182
aagctagtaa agtcatctac actaacggct gtattgacaa gttggtcaac tggatacaca 60
gcaacctgtt tctacttggc ggtgtggcat taggcctggc catccccag ctggtgggaa 120
tcctgtgttc ccaggtcctt gtgaatcaga taaaagatca gatcaagctg cagctctaca 180
accagcagca ccgtgtgtac ccgtggtact gagactcctt cctgtgtctc ctcaccatgg 240
tgacgagcat cctcatggac cagcagtgga ggggtgctaag agcagcaccc agtgcagatt 300
tagattccag cccccagagt gaaggcccag tggaaaagacg aaatcccaaa ggaaggacac 360
agatggctca ggtctcaciaa ggatgtgcct catctcccca tcccagcctc aatactgcct 420
gagaattatt ttgtcctgtt tgtaaccttg aacatattgag tttatgtttt ttggtttcct 480
gtgggcacag gtgtggaagc ggcagtggtg cagaaaagccg tagggttact agctgcacac 540
ttcgctgagg cacaacagac agctctgtta acgctgtctg tgagctangt ggacatanag 600
tctgtgccca tcgagtactg gctgtgtgga gcagacacta gcaagcctgc ct 652

```

<210> 1183

<211> 437

<212> DNA

<213> *Rattus norvegicus*

```

<400> 1183
gggaagcttt tatttattgc cttaatactt tatttggtg ttccgtccct cccagttgtg 60
gcatgcagga gaaaagactc ctggtctgca gtggagcact ggctcctgga acaaagttcc 120
tctccctgga agggacaagg gctccctggg gtcagcagga tgcactgaag agagggtagc 180
catggctctg ggtcctctct gaggcctgag ctcaaaaggg agcagccctc acgactgtc 240
ctcacattcc attcttttgc acttaccttg agctgtgaat gtaaccttgg gccaaagccc 300
actctgattt gtcctgaac catacagctg tggcattttt attttgtcct gtttgtgtgt 360
ccatgcccc aaccttacac tcaaccagca atagagtgtg agagcaaggc ctgtgaatca 420
gataaaggat cgaagtg 437

```

<210> 1184

<211> 565

<212> DNA

<213> *Rattus norvegicus*

```

<400> 1184
ggccatcaat gttccagctc atatgattgg cagagcaaag cactctgctc aacagagtga 60
atgttgctgg tacagtatgc tcacctgtga acgactggcc atttttccat tcatttggta 120
agacagaaga tgaggatcat ttccctggaca agtcaagggt atcatctcca aagaggttta 180
cagtacttga tgggaatgga atatgaggat gagaaaaaga ggagtatcat ggagaaggcc 240
caactgggat ggacaacaga cagctgccaa agtcacgaac tctgagatta aagaagagtc 300
gtgtagtgct ttcaactctc atttgcaggg cagctcactg tgtgtggact ctgagctgac 360

```



```

atgggagtta gcttctttgt tccatagatt ttctatgcca taggcaatat tattgttctt 420
ggaaagttca ttattttttt aaattacctt actctgagaa agggattttt tgaaggattc 480
tgtcatatat ctttcgaaaa cagaaaatca gtaatatgta ttttttatg tatgttcact 540
ggcactttaa aaaaaaaaaa aaaaa 565

```

<210> 1185  
 <211> 187  
 <212> DNA  
 <213> *Rattus norvegicus*

```

<400> 1185
ccatatgtcc ttcccatgtg tgagcataac tgaatgttca gtgagtgtcg ttgaatgtac 60
cactggttat ccgaactgaa ccaaagatca gcggatccga ggcaagtgat gtattgtctca 120
caagcgatag tgctgtggtt attactgtca tgacttgtgt gtccagtcca agtaaaggctc 180
gctgctg 187

```

<210> 1186  
 <211> 680  
 <212> DNA  
 <213> *Rattus norvegicus*

```

<400> 1186
tttactgtgt ttgggcttgg cctacctgta gcttttaggt gaagggaagg ggccagcggt 60
ggtggacccc acacatccat gtgcctggct ttggccaagc aggagaggtg gtcctaccac 120
aggctttgac ttgcctccct gtaccccagg tgagcataac cttggggggc aacagtctga 180
atgtatcttt ctccccattt taacctgagc tgcctaatgc atagtgggt aaggggtggg 240
accagggtc gaattgtgga tcccaggga agtgccatgc ctaggagtga ttgtcacctc 300
ggtggagcct gactccttct tgggttttgc catataagca cttacacaaa gaagctcttg 360
ggtgttgggg ctccactgct cttggctgcc ctctctctct cccctccctg cctgtgtcgt 420
ttttctttgt ctgctgtccc tgaaggagat ggccaccctt tgagcctaag agagctgttt 480
taggcagatc ctctacttgg ggcttttctg gagctgctga tggatagtat ctgtccaggg 540
acctgtttc aaaggggaat ggcggccagc aaggcatccc cacagctact aagaacgttt 600
tcttgtttt aaaccatcac atcttcattt cacattgga taaagtgagt ttttgaaacc 660
tgcaaaaaaa aaaaaaaaaa 680

```

<210> 1187  
 <211> 197  
 <212> DNA  
 <213> *Rattus norvegicus*

```

<400> 1187
ttgtgatgtg tttgtacagc ctaattatgt ttcccaggga gttctggggg agatgttacc 60
tgcggtttat tcgctttctg agacaggcta actgcataag tgtacagagc tatggtgtgt 120
gcaacatcag ttgaagctac tttaaaaact aacaaatgga aaatacattt ggtaaagtct 180
aaaaaaaaa aaaaaaa 197

```

<210> 1188  
 <211> 574  
 <212> DNA  
 <213> *Rattus norvegicus*

```

<400> 1188
attcggcacg aggctgagct ctatcaagtt ccagtcctcg gagtgactgt gccatcatg 60
tggttctacc tcctcatgaa tgcctgact caaaacgtgt gcatccgggg tgtgttcac 120
cttaccacag agtgcagctc cctcacgctc aactggctcg tgactctgag aaagttcgtg 180
agcctcatct tttctatcct gtaactccag aaccagttca ccctgtggca ctggctgggc 240
actgtgtttg tcttcaccgg gaccttaatg tacacagagg tgtggaaaaa ctagggggcc 300
acaaaaagtc agctgcaaaa ggacgacaag aaggactgag gtctgcccgg acagacagtc 360
gctgttatgt gagagtggcc tcggctgcag gtctggccat catttcacct gggctgaagc 420
caaatatccc cagtattgaa gcagagcttc ttctgacagg atgggatggc agcatttgta 480
gactccacgt aggcacccct gagatagaat aaacagaaca aacaaggctt ccaggcagac 540

```

tgtcggaag cttccgcatt tgcttttccc tctc

574

<210> 1189

<211> 925

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<222> 229

<223> n = A,T,C or G

<400> 1189

```
ccccttttat cgcgctgcgg gcgcggcggc agcggccgtg ggggtggagt aaggacaccg 60
gcatggcgcg gaagaaagtg aaacccccgc tgatcgctga gctggcccgc cgcgtgcgcg 120
ccttgcgcgga gcagcggaac cagccgcgag actcgcagct ctacgcccta gactacgaga 180
cgctgacccg gccgcactct ggctcgccgc tgccagtgcg cgcctgggnc cgacgtacgt 240
cgcgagagcc gccttctaca gctgctcgcc cgcctcccct tgtttggcct gggctgtctg 300
gttaccgcga agtcctggct gtggcagcac gacgagccat gctactggcg cctcacgcgt 360
gtgaggcctg actacacggc gcagaacttg gaccacggga gggcctgggg tatcctgact 420
ttcaaaggga agagttagga aacggctcgg gaaatcgagc aagtcagtga ccacgattgg 480
cggttggtac ccaagcacga ggaggaggct ttcactgcgt tccactggga agcagaggac 540
agattgaacc ttgtccccta cccacctctg ctgcggggcca tgatcctcgc tgagcgacag 600
aaaaacgggg ataccagcgt cgaggagccg ctctgaacc tggagaggac tcgaatgcgc 660
ccctgggact accctgcaaa acaggagact aaaggagag ccaagggcac cccagtctaa 720
ctgccaggat tggcagagag gtccctgtgag tcatttgatg gacaagtgtc tttgactgtg 780
tcagaatctc ccctttggtg gggagaccct aaagccttga cacatctgcc aatgaataat 840
ggggcagatg acagattgtg attttcaggc ggcccctcgc cgattcctcc gtctggaaat 900
aaactcccga aatggccaaa aaaag                                     925
```

<210> 1190

<211> 632

<212> DNA

<213> Rattus norvegicus

<400> 1190

```
gcatcgtgaa ggtgcagctg cccgcctacc tcaagcagct cccgctcccc gacagcatta 60
ccgggttcgc ccgcctcaca gttgcagaat ggctccgctt actgcccttc cttgggtgtac 120
ttgcactcct cggctacctt gcagttcgtc cattcttccc gaagaagaag caacagaagg 180
atagcttgat taaccttaag atacagaaag aaaatcccaa agtgggtgaa gaaataaaca 240
ttgaagacct gaatcttacg aaagcagctt attgtaggtg ttggcgctcc aagacgttcc 300
ctgcctgtga cgggtcccac aataagcaca atgagttgac aggcgataac gtgggtcctc 360
tcaccttgag gaagaaagaa gtatagcagt agccacggag acgaacctct ggcaacgttt 420
ccgcccttgt tgtgcataga aaaagatctt tggaagtttt aactattggg actggctgaa 480
taattattct gccagttatt ttcttgctac actactgctt atatttggtg ctttatatat 540
tcagtcattt gtacagaaat caaatggtca agtctgattc tgaaatcaag tttaatgtgt 600
ctttcaacaa taaagtcagc acttcaaatt tt                                     632
```

<210> 1191

<211> 193

<212> DNA

<213> Rattus norvegicus

<400> 1191

```
ccctccgggt tttttcccggt ccctttccct ttttaaccct cctggatttt ttttttaaac 60
cccgggaagcc ccttcccttt ttgggggttt tgcccaaaac cccttttttt tttttttttt 120
ttttaccatt ttttttcccc ttgtctcttt tttttccctt cctgggggta aattaagggt 180
cccttttaat ttt                                     193
```

<210> 1192

<211> 484

<212> DNA  
<213> Rattus norvegicus

<220>  
<221> misc\_feature  
<222> 469  
<223> n = A,T,C or G

<400> 1192  
ggggatcacc tggaccgcag agttgtcctc tgatgtgcct agcatggaaa agggccctag 60  
tggcctaaga agtactcagg gtctctaggc tgaggccaca aggagcctga gaacctgcct 120  
ccagtagggc tggacctgac caccagtcca gggtagggag ggggacagtc ttggctctgt 180  
cagccccagc tcttcccagc agagcacttg gaccccagca ctgtcagcta cacctgggt 240  
tgggatcgat ggcttctctc ctgatttgga ccacagcctt aggatccaga agcagcctct 300  
ttctaataccc tgtctgtgag aagagcttga ccttgtcccc ggccccagag cactgtcatg 360  
gtgtgtatgc atatgcacat ctgtgcagat aatgcacaca ggccagcaca aagacctcta 420  
cagaatgatg ttcacccctg cccaataaaa gaaatgacag aatccttana aaaaaaaaaa 480  
aaaa 484

<210> 1193  
<211> 461  
<212> DNA  
<213> Rattus norvegicus

<400> 1193  
gtgaagggga tgtgggtggct gtatccttca aattatgaat gaaaacaaaag tacagaaagg 60  
aaaggagact ttaggcagga ttatttttga atgaaagata agactaatgg tttctctccc 120  
attcccagtc cccattgggtc tgatgtcatg tagcatagta catctatagc acatgggtatt 180  
taaagactaa tgaatgcaaa gagactaatt tgggggctgt ttcttatata tggtagtagg 240  
aaatgccttg ttggcaaagc acaccttggg tagttgagat ctcttatgtt tgtatttagc 300  
ttttcttgtg actgtaacat ttcattgtga aaataactgg atattcttca tatgatggaa 360  
ataacctgtg aattcaatct ttcattcgagt gttttaactc ccgtgtacat atatatctca 420  
tcaataaatg tggattccaa tttcaaaaaa aaaaaaaaaa a 461

<210> 1194  
<211> 470  
<212> DNA  
<213> Rattus norvegicus

<220>  
<221> misc\_feature  
<222> 18  
<223> n = A,T,C or G

<400> 1194  
ccacgtgctc cacctcgntc ttttgcgctg cccaggaact gaccttgtgc tccactgcgt 60  
gatggccccg tccctgactg agctgtgcc a tgtgggtcag agagcctgct gctccccgca 120  
cacagagggg tgggtggggg tgtacagccg gaccgtggat catgagtgtg ggttctgatg 180  
tcctacacc agtaggagtg tgtggggaca ctcttcaact ctctgggtgcg cctggtagaa 240  
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<211> 4069

<212> DNA

<213> Rattus norvegicus

<400> 1197

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<211> 693

<212> DNA

<213> Rattus norvegicus

<400> 1198

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<212> DNA

<213> Rattus norvegicus

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<211> 499

<212> DNA

<213> Rattus norvegicus

<400> 1200

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<211> 504

<212> DNA

<213> Rattus norvegicus

<400> 1201

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<212> DNA

<213> Rattus norvegicus

<400> 1202

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<213> *Rattus norvegicus*

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<213> *Rattus norvegicus*

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<211> 2462

<212> DNA

<213> *Rattus norvegicus*

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<212> DNA

<213> *Rattus norvegicus*

<400> 1210

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<213> *Rattus norvegicus*

<400> 1211

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<211> 927

<212> DNA

<213> *Rattus norvegicus*

<400> 1212

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<213> *Rattus norvegicus*

<400> 1213

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<212> DNA

<213> *Rattus norvegicus*

<400> 1214

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<213> *Rattus norvegicus*

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<213> *Rattus norvegicus*

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<213> Rattus norvegicus

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<210> 1218

<211> 1705

<212> DNA

<213> Rattus norvegicus

<400> 1218

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<210> 1219

<211> 3091

<212> DNA

<213> Rattus norvegicus

<400> 1219

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<210> 1220

<211> 2386

<212> DNA

<213> *Rattus norvegicus*

<400> 1220

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<210> 1221

<211> 494

<212> DNA

<213> *Rattus norvegicus*

<400> 1221

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<210> 1222

<211> 1192

<212> DNA

<213> *Rattus norvegicus*

<400> 1222

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<210> 1223

<211> 1189

<212> DNA

<213> *Rattus norvegicus*

<400> 1223

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<212> DNA

<213> *Rattus norvegicus*

<400> 1224

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<211> 2744

<212> DNA

<213> Rattus norvegicus

<400> 1225

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<212> DNA

<213> Rattus norvegicus

<400> 1226

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<211> 3216

<212> DNA

<213> Rattus norvegicus

<400> 1227

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<211> 1392

<212> DNA

<213> *Rattus norvegicus*

<400> 1228

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<210> 1229

<211> 573

<212> DNA

<213> *Rattus norvegicus*

<400> 1229

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<210> 1230

<211> 1213

<212> DNA  
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<400> 1230

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<212> DNA  
<213> Rattus norvegicus

<400> 1231

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<212> DNA  
<213> Rattus norvegicus

<400> 1232

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<211> 1501

<212> DNA

<213> Rattus norvegicus

<400> 1233

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<210> 1237

<211> 1972

<212> DNA

<213> Rattus norvegicus

<400> 1237

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<400> 1365

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<400> 1376

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<400> 1377

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<400> 1378

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<211> 60

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<212> DNA

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<210> 1428  
 <211> 60  
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<210> 1429  
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<210> 1431

<211> 3124

<212> DNA

<213> Mus musculus

<400> 1431

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<210> 1432

<211> 1550

<212> DNA

<213> Mus musculus

<400> 1432

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<210> 1433

<211> 1417

<212> DNA

<213> Mus musculus

<400> 1433

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<210> 1434

<211> 942

<212> DNA

<213> Mus musculus

<400> 1434

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<210> 1435

<211> 1975

<212> DNA

<213> Mus musculus

<400> 1435

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<210> 1436

<211> 1061

<212> DNA

<213> Mus musculus

<400> 1436

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<210> 1437

<211> 2012

<212> DNA

<213> Mus musculus

<400> 1437

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<212> DNA

<213> Mus musculus

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<212> DNA

<213> Mus musculus

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<210> 1473  
<211> 2596  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> 458  
<223> n = A,T,C or G



<400> 1473

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<210> 1474

<211> 769

<212> DNA

<213> Mus musculus

<400> 1474

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gctcttccgt	gaagaaggaa	gcaatcggag	agcaatgaat	gtggaacatg	aagttaacct	180
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tctgaaagct	gcaaaacgaa	ggaagattgt	tacatacgca	ggggaactac	ttttgcaagg	360
tgttcatgat	gatgttgaca	ttgtattgct	gcaagattaa	tgtggtttgc	atggcttggg	420
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tatagaactt	tgtaaacaaa	ggggggcttg	ttgagaagtc	ctgtttttat	accttgaagc	540
aaaacattac	aatgtaaaaat	aaacaaaacc	tattatTTTT	cttaagaagg	taattgggaa	600
atgtaggtaa	tgaaacattt	ttggaggtgt	gaaaaagctt	ttgttctctt	aaaccattct	660
taagacaatt	tctacaggca	cttgacattc	tgtcaaagca	agaagcaaac	tgcagaccag	720
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<210> 1475

<211> 969

<212> DNA

<213> Mus musculus

<400> 1475

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tgtcccgtct	accagctatg	agtattacct	ggactacata	gacctcattc	ctgtggacga	300
gaagaagctg	aaagccaaca	agcattccat	tgtcatcgcc	ctgtggttga	gcctggctac	360
cttcgtgggt	ctcctctttc	tcatcctgct	ctacatgtcc	tggtcgggct	ccccacagat	420
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<210> 1476

<211> 875

<212> DNA

<213> Mus musculus

<400> 1476

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tgagggcttg	tcgggccaag	cagggaagca	cccacattcc	tgacagaata	agatggcggc	180
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cggggtcggc	ctagatcctg	gttctgcagg	ctccctgtcg	ccacaggacc	ccatggccct	360
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cgatcaatac	ttgtgaccg	ccctggagct	gcacaccgag	ctggttgaga	gcggcccgca	540
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aaataaaatg	tttcttagta	attctttgac	tcaagaaaaa	gaacaaacag	gaaatgtcag	780
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<210> 1477

<211> 1779

<212> DNA

<213> Mus musculus

<400> 1477

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ccgcgctctg	catcagtgac	ggtaaaccag	tcagcctgag	ctaccgatgc	ccctgccggt	180
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<210> 1478

<211> 1168

<212> DNA

<213> Mus musculus

<400> 1478

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<210> 1479

<211> 1859

<212> DNA

<213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> 556, 594  
 <223> n = A,T,C or G

<400> 1479  
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 gaatggcaga tctgagacca ttctggaaga tctgagacag ggcactgtaa taaatgaact 1800  
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<210> 1480  
 <211> 1417  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> 4, 6  
 <223> n = A,T,C or G

<400> 1480  
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 tactacaaca atgtgcaaca ctgaaagtc cccaagaaa gttgaactat ttaaggatg 600  
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<210> 1481

<211> 463

<212> DNA

<213> Mus musculus

<400> 1481

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cctttcttaa	gagctagttt	gggagttccg	tatatgggt	cagttatagg	gtttttcaga	420
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<210> 1482

<211> 1744

<212> DNA

<213> Mus musculus

<400> 1482

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<210> 1483

<211> 1503

<212> DNA

<213> Mus musculus

<400> 1483

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<210> 1484

<211> 1875

<212> DNA

<213> Mus musculus

<400> 1484

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<210> 1485

<211> 1059

<212> DNA

<213> Mus musculus

<400> 1485

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<210> 1486

<211> 2295

<212> DNA

<213> Mus musculus

<400> 1486

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<210> 1487

<211> 318

<212> DNA

<213> Mus musculus

<400> 1487

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<210> 1488

<211> 1581

<212> DNA

<213> Mus musculus

<400> 1488

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<210> 1489

<211> 2060

<212> DNA

<213> Mus musculus

<400> 1489

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<211> 1083

<212> DNA

<213> Mus musculus

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<210> 1491

<211> 448

<212> DNA

<213> Mus musculus

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<210> 1492

<211> 2153

<212> DNA

<213> Mus musculus

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<210> 1493

<211> 2432

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> 1563, 2068, 2076

<223> n = A,T,C or G

<400> 1493

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<210> 1494

<211> 6156

<212> DNA

<213> Mus musculus

<400> 1494

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 <213> Mus musculus

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 <213> Mus musculus

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1845

<210> 1497

<211> 2196

<212> DNA

<213> Mus musculus

<400> 1497

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<211> 1440

<212> DNA

<213> Mus musculus

<400> 1498

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<211> 1183

<212> DNA

<213> Mus musculus

<400> 1499

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<211> 1965

<212> DNA

<213> Mus musculus

<400> 1500

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<210> 1501

<211> 768

<212> DNA

<213> Mus musculus

<400> 1501

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<210> 1502

<211> 1244

<212> DNA

<213> Mus musculus

<400> 1502

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<210> 1503

<211> 670

<212> DNA

<213> Mus musculus

<400> 1503

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<210> 1504

<211> 2543

<212> DNA

<213> Mus musculus

<400> 1504

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<211> 1540

<212> DNA

<213> Mus musculus

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<210> 1506

<211> 1328

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> 35

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<210> 1507

<211> 933

<212> DNA

<213> Mus musculus

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<210> 1508

<211> 1082

<212> DNA

<213> Mus musculus

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<211> 4579

<212> DNA

<213> Mus musculus

<400> 1509

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<211> 316

<212> DNA

<213> Mus musculus

<400> 1515

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<211> 1943

<212> DNA

<213> Mus musculus

<400> 1516

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1943

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<211> 3571

<212> DNA

<213> Mus musculus

<400> 1517

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<211> 4115

<212> DNA

<213> Mus musculus

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<211> 898

<212> DNA

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<212> DNA

<213> Mus musculus

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<213> Mus musculus

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<212> DNA

<213> Mus musculus

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<213> Mus musculus

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<212> DNA

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<210> 1527  
 <211> 722  
 <212> DNA  
 <213> Mus musculus

<400> 1527

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 <211> 244  
 <212> DNA  
 <213> Mus musculus

<400> 1528

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<210> 1529  
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 <212> DNA  
 <213> Mus musculus

<400> 1529

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<210> 1530

<211> 2032

<212> DNA

<213> Mus musculus

<400> 1530

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<210> 1531

<211> 3014

<212> DNA

<213> Mus musculus

<400> 1531

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<211> 1303

<212> DNA

<213> Mus musculus

<400> 1532

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<210> 1533

<211> 2269

<212> DNA

<213> Mus musculus

<400> 1533

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